

# EXAMGURUX

## RRB JE 2026 - CBT 1 Common Subjects

1000 Original Practice MCQs with Answers & Explanations

**Important:** This is independent ExamGurux practice material. The questions are original and are **not official questions issued by the examining authority**. They are designed to align with the official/most recently available exam structure and syllabus areas. Always verify current notifications on the official website before the exam.

**Official reference:** Railway Recruitment Board - CEN 05/2025 JE/DMS/CMA (rrbcdg.gov.in)

**Coverage note:** Covers the common CBT-1 areas. Technical discipline-specific CBT-2 content is intentionally excluded.

| Section                          | Questions |
|----------------------------------|-----------|
| Mathematics                      | 300       |
| General Intelligence & Reasoning | 250       |
| General Awareness                | 150       |
| General Science                  | 300       |

## Mathematics

**Q1. Two quantities are in the ratio 7:9. If their total is 64, what is the first quantity?**

- (A) 64
- (B) 28
- (C) 8
- (D) 36

**Answer: B**

Explanation: Total parts = 16. One part =  $64/16 = 4$ ; first quantity =  $7 \times 4 = 28$ .

**Q2. Find the average of 20, 30, 56, 38, 35.**

- (A) 37.8
- (B) 35.8
- (C) 33.8
- (D) 44.8

**Answer: B**

Explanation: Average = sum / count =  $179/5 = 35.8$ .

**Q3. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?**

- (A) 19.0
- (B) 2
- (C) 9.47
- (D) 360.0

**Answer: C**

Explanation: Combined rate =  $1/20 + 1/18 = (38)/360$ ; time =  $360/38 = 9.47$  days.

**Q4. Find the average of 24, 27, 42, 27, 72.**

- (A) 36.4
- (B) 38.4
- (C) 48.0
- (D) 40.4

**Answer: B**

Explanation: Average = sum / count =  $192/5 = 38.4$ .

**Q5. A can finish a work in 18 days and B in 24 days. In how many days can they finish it together?**

- (A) 10.29
- (B) 6
- (C) 21.0
- (D) 72.0

**Answer: A**

Explanation: Combined rate =  $1/18 + 1/24 = (42)/432$ ; time =  $432/42 = 10.29$  days.

**Q6. An item costs Rs. 300. At a profit of 20%, what is the selling price?**

- (A) 360
- (B) 340
- (C) 320
- (D) 240.0

**Answer: A**

Explanation: Selling price =  $300 \times (1 + 20/100) = \text{Rs. } 360$ .

**Q7. Find the average of 30, 67, 75, 34, 30.**

- (A) 49.2
- (B) 45.2
- (C) 47.2
- (D) 59.0

**Answer: C**

Explanation: Average = sum / count =  $236/5 = 47.2$ .

**Q8. Find the average of 56, 13, 60, 15, 67.**

- (A) 52.8
- (B) 42.2
- (C) 40.2
- (D) 44.2

**Answer: B**

Explanation: Average = sum / count =  $211/5 = 42.2$ .

**Q9. What is 12.5% of 300?**

- (A) 37.5
- (B) 67.5
- (C) 52.5
- (D) 22.5

**Answer: A**

Explanation: 12.5% of 300 =  $(12.5/100) \times 300 = 37.5$ .

**Q10. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.**

- (A) 640
- (B) 840
- (C) 440
- (D) 160

**Answer: A**

Explanation: SI =  $PRT/100 = 2000 \times 8 \times 4/100 = \text{Rs. } 640$ .

**Q11. An item costs Rs. 600. At a profit of 30%, what is the selling price?**

- (A) 660
- (B) 420.0
- (C) 630
- (D) 780

**Answer: D**

Explanation: Selling price =  $600 \times (1 + 30/100) = \text{Rs. } 780$ .

**Q12. What is 10% of 300?**

- (A) 45.0
- (B) 30
- (C) 60.0
- (D) 15.0

**Answer: B**

Explanation: 10% of 300 =  $(10/100) \times 300 = 30$ .

**Q13. Find the simple interest on Rs. 1200 at 5% per annum for 4 years.**

- (A) 120
- (B) 360
- (C) 60
- (D) 240

**Answer: D**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 5 \times 4}{100} = \text{Rs. } 240.$

**Q14. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?**

- (A) 2
- (B) 60.0
- (C) 5.45
- (D) 11.0

**Answer: C**

Explanation: Combined rate =  $\frac{1}{10} + \frac{1}{12} = \frac{22}{120}$ ; time =  $\frac{120}{22} = 5.45$  days.

**Q15. Two quantities are in the ratio 3:5. If their total is 104, what is the first quantity?**

- (A) 104
- (B) 26
- (C) 39
- (D) 65

**Answer: C**

Explanation: Total parts = 8. One part =  $\frac{104}{8} = 13$ ; first quantity =  $3 \times 13 = 39$ .

**Q16. Find the average of 59, 57, 54, 70, 14.**

- (A) 50.8
- (B) 63.5
- (C) 52.8
- (D) 48.8

**Answer: A**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{254}{5} = 50.8$ .

**Q17. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?**

- (A) 45
- (B) 72
- (C) 18
- (D) 27

**Answer: D**

Explanation: Total parts = 8. One part =  $\frac{72}{8} = 9$ ; first quantity =  $3 \times 9 = 27$ .

**Q18. Find the average of 47, 74, 66, 36, 71.**

- (A) 60.8
- (B) 58.8
- (C) 73.5
- (D) 56.8

**Answer: B**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{294}{5} = 58.8$ .

**Q19. What is 15% of 150?**

- (A) 37.5
- (B) 30.0
- (C) 15.0
- (D) 22.5

**Answer: D**

Explanation: 15% of 150 =  $(15/100) \times 150 = 22.5$ .

**Q20. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?**

- (A) 216.0
- (B) 6
- (C) 7.2
- (D) 15.0

**Answer: C**

Explanation: Combined rate =  $1/18 + 1/12 = (30)/216$ ; time =  $216/30 = 7.2$  days.

**Q21. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?**

- (A) 54
- (B) 36
- (C) 144
- (D) 90

**Answer: A**

Explanation: Total parts = 8. One part =  $144/8 = 18$ ; first quantity =  $3 \times 18 = 54$ .

**Q22. What is 60% of 150?**

- (A) 97.5
- (B) 90
- (C) 105.0
- (D) 82.5

**Answer: B**

Explanation: 60% of 150 =  $(60/100) \times 150 = 90$ .

**Q23. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?**

- (A) 20.0
- (B) 10.0
- (C) 400.0
- (D) 0

**Answer: B**

Explanation: Combined rate =  $1/20 + 1/20 = (40)/400$ ; time =  $400/40 = 10.0$  days.

**Q24. A can finish a work in 12 days and B in 30 days. In how many days can they finish it together?**

- (A) 20.0
- (B) 8.57
- (C) 21.0
- (D) 18

**Answer: B**

Explanation: Combined rate =  $1/12 + 1/30 = (42)/360$ ; time =  $360/42 = 8.57$  days.

**Q25. An item costs Rs. 400. At a profit of 20%, what is the selling price?**

- (A) 480
- (B) 320.0
- (C) 420
- (D) 440

**Answer: A**

Explanation: Selling price =  $400 \times (1 + 20/100) = \text{Rs. } 480$ .

**Q26. Find the simple interest on Rs. 2500 at 12% per annum for 3 years.**

- (A) 650
- (B) 900
- (C) 300
- (D) 1150

**Answer: B**

Explanation:  $SI = PRT/100 = 2500 \times 12 \times 3/100 = \text{Rs. } 900$ .

**Q27. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?**

- (A) 136
- (B) 51
- (C) 34
- (D) 85

**Answer: B**

Explanation: Total parts = 8. One part =  $136/8 = 17$ ; first quantity =  $3 \times 17 = 51$ .

**Q28. Find the simple interest on Rs. 5000 at 6% per annum for 3 years.**

- (A) 1400
- (B) 400
- (C) 300
- (D) 900

**Answer: D**

Explanation:  $SI = PRT/100 = 5000 \times 6 \times 3/100 = \text{Rs. } 900$ .

**Q29. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?**

- (A) 90
- (B) 108.0
- (C) 14.4
- (D) 38.5

**Answer: A**

Explanation: Distance = speed  $\times$  time =  $36 \times 2.5 = 90$  km.

**Q30. What is 30% of 450?**

- (A) 180.0
- (B) 157.5
- (C) 135
- (D) 112.5

**Answer: C**

Explanation: 30% of 450 =  $(30/100) \times 450 = 135$ .

**Q31. Find the simple interest on Rs. 2000 at 5% per annum for 2 years.**

- (A) 200
- (B) 400
- (C) 1
- (D) 100

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = \frac{2000 \times 5 \times 2}{100} = \text{Rs. } 200.$

**Q32. Find the simple interest on Rs. 5000 at 8% per annum for 3 years.**

- (A) 1700
- (B) 400
- (C) 1200
- (D) 700

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = \frac{5000 \times 8 \times 3}{100} = \text{Rs. } 1200.$

**Q33. Find the average of 77, 17, 44, 76, 41.**

- (A) 49
- (B) 53
- (C) 51
- (D) 63.8

**Answer: C**

Explanation:  $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{255}{5} = 51.$

**Q34. An item costs Rs. 240. At a profit of 12%, what is the selling price?**

- (A) 264
- (B) 211.2
- (C) 268.8
- (D) 252

**Answer: C**

Explanation:  $\text{Selling price} = 240 \times (1 + \frac{12}{100}) = \text{Rs. } 268.8.$

**Q35. Find the average of 64, 23, 54, 10, 34.**

- (A) 35
- (B) 37
- (C) 46.2
- (D) 39

**Answer: B**

Explanation:  $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{185}{5} = 37.$

**Q36. An item costs Rs. 240. At a profit of 15%, what is the selling price?**

- (A) 270
- (B) 204.0
- (C) 276
- (D) 255

**Answer: C**

Explanation:  $\text{Selling price} = 240 \times (1 + \frac{15}{100}) = \text{Rs. } 276.$

**Q37. Two quantities are in the ratio 5:7. If their total is 48, what is the first quantity?**

- (A) 28
- (B) 8
- (C) 20
- (D) 48

**Answer: C**

Explanation: Total parts = 12. One part =  $48/12 = 4$ ; first quantity =  $5 \times 4 = 20$ .

**Q38. Find the simple interest on Rs. 1500 at 6% per annum for 3 years.**

- (A) 420
- (B) 120
- (C) 270
- (D) 90

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = \frac{1500 \times 6 \times 3}{100} = \text{Rs. } 270$ .

**Q39. What is 5% of 600?**

- (A) 60.0
- (B) 90.0
- (C) 30
- (D) 0

**Answer: C**

Explanation:  $5\% \text{ of } 600 = \frac{5}{100} \times 600 = 30$ .

**Q40. Two quantities are in the ratio 2:3. If their total is 40, what is the first quantity?**

- (A) 16
- (B) 8
- (C) 24
- (D) 40

**Answer: A**

Explanation: Total parts = 5. One part =  $40/5 = 8$ ; first quantity =  $2 \times 8 = 16$ .

**Q41. Find the average of 42, 31, 58, 29, 29.**

- (A) 47.2
- (B) 37.8
- (C) 35.8
- (D) 39.8

**Answer: B**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{189}{5} = 37.8$ .

**Q42. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?**

- (A) 34
- (B) 51
- (C) 17
- (D) 85

**Answer: A**

Explanation: Total parts = 5. One part =  $85/5 = 17$ ; first quantity =  $2 \times 17 = 34$ .

**Q43. Find the simple interest on Rs. 1500 at 10% per annum for 2 years.**

- (A) 450
- (B) 300
- (C) 507
- (D) 150

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = 1500 \times 10 \times 2/100 = \text{Rs. } 300.$

**Q44. What is 75% of 450?**

- (A) 337.5
- (B) 360.0
- (C) 315.0
- (D) 382.5

**Answer: A**

Explanation:  $75\% \text{ of } 450 = (75/100) \times 450 = 337.5.$

**Q45. What is 40% of 120?**

- (A) 48
- (B) 60.0
- (C) 54.0
- (D) 42.0

**Answer: A**

Explanation:  $40\% \text{ of } 120 = (40/100) \times 120 = 48.$

**Q46. Two quantities are in the ratio 7:9. If their total is 112, what is the first quantity?**

- (A) 112
- (B) 63
- (C) 49
- (D) 14

**Answer: C**

Explanation: Total parts = 16. One part =  $112/16 = 7$ ; first quantity =  $7 \times 7 = 49.$

**Q47. Find the average of 11, 22, 74, 58, 14.**

- (A) 35.8
- (B) 33.8
- (C) 44.8
- (D) 37.8

**Answer: A**

Explanation: Average =  $\text{sum} / \text{count} = 179/5 = 35.8.$

**Q48. Find the average of 53, 43, 18, 78, 11.**

- (A) 42.6
- (B) 40.6
- (C) 38.6
- (D) 50.8

**Answer: B**

Explanation: Average =  $\text{sum} / \text{count} = 203/5 = 40.6.$

**Q49. An item costs Rs. 400. At a profit of 25%, what is the selling price?**

- (A) 300.0
- (B) 500
- (C) 425
- (D) 450

**Answer: B**

Explanation: Selling price =  $400 \times (1 + 25/100) = \text{Rs. } 500$ .

**Q50. An item costs Rs. 240. At a profit of 12%, what is the selling price?**

- (A) 268.8
- (B) 252
- (C) 264
- (D) 211.2

**Answer: A**

Explanation: Selling price =  $240 \times (1 + 12/100) = \text{Rs. } 268.8$ .

**Q51. Find the average of 76, 15, 49, 10, 48.**

- (A) 37.6
- (B) 41.6
- (C) 49.5
- (D) 39.6

**Answer: D**

Explanation: Average = sum / count =  $198/5 = 39.6$ .

**Q52. What is 20% of 180?**

- (A) 45.0
- (B) 27.0
- (C) 36
- (D) 54.0

**Answer: C**

Explanation: 20% of 180 =  $(20/100) \times 180 = 36$ .

**Q53. Find the average of 21, 73, 17, 49, 66.**

- (A) 43.2
- (B) 45.2
- (C) 56.5
- (D) 47.2

**Answer: B**

Explanation: Average = sum / count =  $226/5 = 45.2$ .

**Q54. What is 35% of 240?**

- (A) 84
- (B) 108.0
- (C) 72.0
- (D) 96.0

**Answer: A**

Explanation: 35% of 240 =  $(35/100) \times 240 = 84$ .

**Q55. Find the average of 33, 71, 22, 58, 32.**

- (A) 43.2
- (B) 54.0
- (C) 41.2
- (D) 45.2

**Answer: A**

Explanation: Average = sum / count =  $216/5 = 43.2$ .

**Q56. What is 75% of 240?**

- (A) 192.0
- (B) 180
- (C) 168.0
- (D) 204.0

**Answer: B**

Explanation: 75% of 240 =  $(75/100) \times 240 = 180$ .

**Q57. Find the average of 13, 45, 66, 23, 58.**

- (A) 51.2
- (B) 41
- (C) 39
- (D) 43

**Answer: B**

Explanation: Average = sum / count =  $205/5 = 41$ .

**Q58. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?**

- (A) 45
- (B) 30
- (C) 75
- (D) 15

**Answer: B**

Explanation: Total parts = 5. One part =  $75/5 = 15$ ; first quantity =  $2 \times 15 = 30$ .

**Q59. Two quantities are in the ratio 5:7. If their total is 168, what is the first quantity?**

- (A) 168
- (B) 28
- (C) 98
- (D) 70

**Answer: D**

Explanation: Total parts = 12. One part =  $168/12 = 14$ ; first quantity =  $5 \times 14 = 70$ .

**Q60. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?**

- (A) 140.0
- (B) 120
- (C) 13.33
- (D) 43

**Answer: B**

Explanation: Distance = speed x time =  $40 \times 3 = 120$  km.

**Q61. What is 35% of 150?**

- (A) 52.5
- (B) 45.0
- (C) 60.0
- (D) 67.5

**Answer: A**

Explanation:  $35\% \text{ of } 150 = (35/100) \times 150 = 52.5$ .

**Q62. Find the average of 21, 10, 43, 49, 76.**

- (A) 49.8
- (B) 41.8
- (C) 39.8
- (D) 37.8

**Answer: C**

Explanation:  $\text{Average} = \text{sum} / \text{count} = 199/5 = 39.8$ .

**Q63. An item costs Rs. 800. At a profit of 10%, what is the selling price?**

- (A) 720.0
- (B) 810
- (C) 880
- (D) 820

**Answer: C**

Explanation:  $\text{Selling price} = 800 \times (1 + 10/100) = \text{Rs. } 880$ .

**Q64. Find the simple interest on Rs. 3000 at 6% per annum for 4 years.**

- (A) 180
- (B) 420
- (C) 1020
- (D) 720

**Answer: D**

Explanation:  $\text{SI} = \text{PRT}/100 = 3000 \times 6 \times 4/100 = \text{Rs. } 720$ .

**Q65. An item costs Rs. 600. At a profit of 20%, what is the selling price?**

- (A) 620
- (B) 640
- (C) 720
- (D) 480.0

**Answer: C**

Explanation:  $\text{Selling price} = 600 \times (1 + 20/100) = \text{Rs. } 720$ .

**Q66. Find the average of 15, 68, 68, 25, 63.**

- (A) 59.8
- (B) 47.8
- (C) 49.8
- (D) 45.8

**Answer: B**

Explanation:  $\text{Average} = \text{sum} / \text{count} = 239/5 = 47.8$ .

**Q67. Find the simple interest on Rs. 3000 at 6% per annum for 2 years.**

- (A) 360
- (B) 180
- (C) 60
- (D) 660

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = \frac{3000 \times 6 \times 2}{100} = \text{Rs. } 360.$

**Q68. Find the average of 65, 48, 59, 21, 58.**

- (A) 62.8
- (B) 50.2
- (C) 48.2
- (D) 52.2

**Answer: B**

Explanation:  $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{251}{5} = 50.2.$

**Q69. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?**

- (A) 11.25
- (B) 180
- (C) 49
- (D) 202.5

**Answer: B**

Explanation:  $\text{Distance} = \text{speed} \times \text{time} = 45 \times 4 = 180 \text{ km}.$

**Q70. An item costs Rs. 750. At a profit of 25%, what is the selling price?**

- (A) 800
- (B) 775
- (C) 937.5
- (D) 562.5

**Answer: C**

Explanation:  $\text{Selling price} = 750 \times (1 + \frac{25}{100}) = \text{Rs. } 937.5.$

**Q71. Find the average of 68, 17, 60, 35, 67.**

- (A) 49.4
- (B) 51.4
- (C) 61.8
- (D) 47.4

**Answer: A**

Explanation:  $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{247}{5} = 49.4.$

**Q72. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?**

- (A) 72
- (B) 18
- (C) 162
- (D) 90

**Answer: A**

Explanation: Total parts = 9. One part =  $\frac{162}{9} = 18$ ; first quantity =  $4 \times 18 = 72.$

**Q73. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?**

- (A) 90
- (B) 20
- (C) 70
- (D) 160

**Answer: C**

Explanation: Total parts = 16. One part =  $160/16 = 10$ ; first quantity =  $7 \times 10 = 70$ .

**Q74. What is 35% of 300?**

- (A) 90.0
- (B) 105
- (C) 135.0
- (D) 120.0

**Answer: B**

Explanation:  $35\% \text{ of } 300 = (35/100) \times 300 = 105$ .

**Q75. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?**

- (A) 57
- (B) 18.0
- (C) 162
- (D) 189.0

**Answer: C**

Explanation: Distance = speed  $\times$  time =  $54 \times 3 = 162$  km.

**Q76. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?**

- (A) 49
- (B) 180
- (C) 202.5
- (D) 11.25

**Answer: B**

Explanation: Distance = speed  $\times$  time =  $45 \times 4 = 180$  km.

**Q77. Find the average of 23, 45, 46, 61, 14.**

- (A) 47.2
- (B) 37.8
- (C) 35.8
- (D) 39.8

**Answer: B**

Explanation: Average = sum / count =  $189/5 = 37.8$ .

**Q78. Find the simple interest on Rs. 1500 at 6% per annum for 4 years.**

- (A) 210
- (B) 360
- (C) 90
- (D) 510

**Answer: B**

Explanation:  $SI = PRT/100 = 1500 \times 6 \times 4/100 = \text{Rs. } 360$ .

**Q79. An item costs Rs. 600. At a profit of 15%, what is the selling price?**

- (A) 615
- (B) 690
- (C) 630
- (D) 510.0

**Answer: B**

Explanation: Selling price =  $600 \times (1 + 15/100) = \text{Rs. } 690$ .

**Q80. An item costs Rs. 500. At a profit of 30%, what is the selling price?**

- (A) 650
- (B) 530
- (C) 350.0
- (D) 560

**Answer: A**

Explanation: Selling price =  $500 \times (1 + 30/100) = \text{Rs. } 650$ .

**Q81. What is 5% of 240?**

- (A) 12
- (B) 36.0
- (C) 24.0
- (D) 0

**Answer: A**

Explanation: 5% of 240 =  $(5/100) \times 240 = 12$ .

**Q82. What is 5% of 750?**

- (A) 112.5
- (B) 0
- (C) 75.0
- (D) 37.5

**Answer: D**

Explanation: 5% of 750 =  $(5/100) \times 750 = 37.5$ .

**Q83. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?**

- (A) 56
- (B) 72
- (C) 128
- (D) 16

**Answer: A**

Explanation: Total parts = 16. One part =  $128/16 = 8$ ; first quantity =  $7 \times 8 = 56$ .

**Q84. Find the simple interest on Rs. 1200 at 10% per annum for 3 years.**

- (A) 480
- (B) 240
- (C) 120
- (D) 360

**Answer: D**

Explanation: SI =  $PRT/100 = 1200 \times 10 \times 3/100 = \text{Rs. } 360$ .

**Q85. Two quantities are in the ratio 3:4. If their total is 91, what is the first quantity?**

- (A) 52
- (B) 91
- (C) 39
- (D) 13

**Answer: C**

Explanation: Total parts = 7. One part =  $91/7 = 13$ ; first quantity =  $3 \times 13 = 39$ .

**Q86. What is 30% of 300?**

- (A) 75.0
- (B) 120.0
- (C) 105.0
- (D) 90

**Answer: D**

Explanation:  $30\% \text{ of } 300 = (30/100) \times 300 = 90$ .

**Q87. Find the simple interest on Rs. 1200 at 5% per annum for 3 years.**

- (A) 516
- (B) 300
- (C) 180
- (D) 60

**Answer: C**

Explanation:  $SI = PRT/100 = 1200 \times 5 \times 3/100 = \text{Rs. } 180$ .

**Q88. Find the average of 27, 77, 65, 23, 39.**

- (A) 57.8
- (B) 44.2
- (C) 46.2
- (D) 48.2

**Answer: C**

Explanation: Average = sum / count =  $231/5 = 46.2$ .

**Q89. Find the average of 13, 20, 49, 28, 22.**

- (A) 33.0
- (B) 26.4
- (C) 24.4
- (D) 28.4

**Answer: B**

Explanation: Average = sum / count =  $132/5 = 26.4$ .

**Q90. Find the simple interest on Rs. 1200 at 6% per annum for 3 years.**

- (A) 96
- (B) 72
- (C) 336
- (D) 216

**Answer: D**

Explanation:  $SI = PRT/100 = 1200 \times 6 \times 3/100 = \text{Rs. } 216$ .

**Q91. What is 30% of 300?**

- (A) 90
- (B) 75.0
- (C) 120.0
- (D) 105.0

**Answer: A**

Explanation:  $30\% \text{ of } 300 = (30/100) \times 300 = 90$ .

**Q92. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?**

- (A) 108
- (B) 56
- (C) 27.0
- (D) 135.0

**Answer: A**

Explanation: Distance = speed  $\times$  time =  $54 \times 2 = 108$  km.

**Q93. Two quantities are in the ratio 4:5. If their total is 36, what is the first quantity?**

- (A) 16
- (B) 20
- (C) 4
- (D) 36

**Answer: A**

Explanation: Total parts = 9. One part =  $36/9 = 4$ ; first quantity =  $4 \times 4 = 16$ .

**Q94. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?**

- (A) 0
- (B) 400.0
- (C) 10.0
- (D) 20.0

**Answer: C**

Explanation: Combined rate =  $1/20 + 1/20 = (40)/400$ ; time =  $400/40 = 10.0$  days.

**Q95. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?**

- (A) 160
- (B) 70
- (C) 20
- (D) 90

**Answer: B**

Explanation: Total parts = 16. One part =  $160/16 = 10$ ; first quantity =  $7 \times 10 = 70$ .

**Q96. Two quantities are in the ratio 3:5. If their total is 40, what is the first quantity?**

- (A) 10
- (B) 15
- (C) 25
- (D) 40

**Answer: B**

Explanation: Total parts = 8. One part =  $40/8 = 5$ ; first quantity =  $3 \times 5 = 15$ .

**Q97. Find the average of 77, 19, 15, 25, 47.**

- (A) 45.8
- (B) 36.6
- (C) 38.6
- (D) 34.6

**Answer: B**

Explanation: Average = sum / count =  $183/5 = 36.6$ .

**Q98. Two quantities are in the ratio 3:5. If their total is 40, what is the first quantity?**

- (A) 15
- (B) 25
- (C) 40
- (D) 10

**Answer: A**

Explanation: Total parts = 8. One part =  $40/8 = 5$ ; first quantity =  $3 \times 5 = 15$ .

**Q99. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?**

- (A) 128
- (B) 32
- (C) 80
- (D) 48

**Answer: D**

Explanation: Total parts = 8. One part =  $128/8 = 16$ ; first quantity =  $3 \times 16 = 48$ .

**Q100. Find the simple interest on Rs. 2500 at 12% per annum for 4 years.**

- (A) 950
- (B) 1200
- (C) 1450
- (D) 300

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = 2500 \times 12 \times 4/100 = \text{Rs. } 1200$ .

**Q101. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?**

- (A) 216
- (B) 243.0
- (C) 13.5
- (D) 58

**Answer: A**

Explanation: Distance = speed  $\times$  time =  $54 \times 4 = 216$  km.

**Q102. A vehicle travels at 40 km/h for 2.5 hours. What distance does it cover?**

- (A) 16.0
- (B) 42.5
- (C) 100
- (D) 120.0

**Answer: C**

Explanation: Distance = speed  $\times$  time =  $40 \times 2.5 = 100$  km.

**Q103. An item costs Rs. 240. At a profit of 20%, what is the selling price?**

- (A) 260
- (B) 288
- (C) 192.0
- (D) 280

**Answer: B**

Explanation: Selling price =  $240 \times (1 + 20/100) = \text{Rs. } 288$ .

**Q104. Find the average of 64, 14, 38, 76, 55.**

- (A) 47.4
- (B) 51.4
- (C) 61.8
- (D) 49.4

**Answer: D**

Explanation: Average = sum / count =  $247/5 = 49.4$ .

**Q105. An item costs Rs. 600. At a profit of 25%, what is the selling price?**

- (A) 650
- (B) 750
- (C) 625
- (D) 450.0

**Answer: B**

Explanation: Selling price =  $600 \times (1 + 25/100) = \text{Rs. } 750$ .

**Q106. What is 15% of 360?**

- (A) 72.0
- (B) 54
- (C) 90.0
- (D) 36.0

**Answer: B**

Explanation: 15% of 360 =  $(15/100) \times 360 = 54$ .

**Q107. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?**

- (A) 135
- (B) 157.5
- (C) 48
- (D) 15.0

**Answer: A**

Explanation: Distance = speed x time =  $45 \times 3 = 135 \text{ km}$ .

**Q108. Find the average of 25, 20, 58, 36, 63.**

- (A) 42.4
- (B) 40.4
- (C) 38.4
- (D) 50.5

**Answer: B**

Explanation: Average = sum / count =  $202/5 = 40.4$ .

**Q109. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?**

- (A) 150
- (B) 24.0
- (C) 62.5
- (D) 180.0

**Answer: A**

Explanation: Distance = speed x time =  $60 \times 2.5 = 150$  km.

**Q110. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?**

- (A) 144
- (B) 54
- (C) 90
- (D) 36

**Answer: B**

Explanation: Total parts = 8. One part =  $144/8 = 18$ ; first quantity =  $3 \times 18 = 54$ .

**Q111. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?**

- (A) 3
- (B) 270.0
- (C) 8.18
- (D) 16.5

**Answer: C**

Explanation: Combined rate =  $1/18 + 1/15 = (33)/270$ ; time =  $270/33 = 8.18$  days.

**Q112. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?**

- (A) 10.0
- (B) 90
- (C) 33
- (D) 105.0

**Answer: B**

Explanation: Distance = speed x time =  $30 \times 3 = 90$  km.

**Q113. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?**

- (A) 24.0
- (B) 10.0
- (C) 4.8
- (D) 4

**Answer: C**

Explanation: Combined rate =  $1/8 + 1/12 = (20)/96$ ; time =  $96/20 = 4.8$  days.

**Q114. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?**

- (A) 288
- (B) 18.0
- (C) 324.0
- (D) 76

**Answer: A**

Explanation: Distance = speed x time =  $72 \times 4 = 288$  km.

**Q115. Find the average of 15, 18, 49, 41, 66.**

- (A) 35.8
- (B) 47.2
- (C) 39.8
- (D) 37.8

**Answer: D**

Explanation: Average = sum / count =  $189/5 = 37.8$ .

**Q116. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?**

- (A) 12.0
- (B) 6.0
- (C) 16
- (D) 16.0

**Answer: B**

Explanation: Combined rate =  $1/8 + 1/24 = (32)/192$ ; time =  $192/32 = 6.0$  days.

**Q117. An item costs Rs. 500. At a profit of 20%, what is the selling price?**

- (A) 600
- (B) 400.0
- (C) 540
- (D) 520

**Answer: A**

Explanation: Selling price =  $500 \times (1 + 20/100) = \text{Rs. } 600$ .

**Q118. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?**

- (A) 175.0
- (B) 53
- (C) 16.67
- (D) 150

**Answer: D**

Explanation: Distance = speed x time =  $50 \times 3 = 150$  km.

**Q119. What is 50% of 600?**

- (A) 300
- (B) 270.0
- (C) 330.0
- (D) 360.0

**Answer: A**

Explanation: 50% of 600 =  $(50/100) \times 600 = 300$ .

**Q120. Find the average of 24, 50, 56, 37, 17.**

- (A) 38.8
- (B) 36.8
- (C) 46.0
- (D) 34.8

**Answer: B**

Explanation: Average = sum / count =  $184/5 = 36.8$ .

**Q121. Find the average of 70, 25, 11, 27, 52.**

- (A) 35
- (B) 39
- (C) 37
- (D) 46.2

**Answer: C**

Explanation: Average = sum / count =  $185/5 = 37$ .

**Q122. An item costs Rs. 320. At a profit of 25%, what is the selling price?**

- (A) 345
- (B) 240.0
- (C) 370
- (D) 400

**Answer: D**

Explanation: Selling price =  $320 \times (1 + 25/100) = \text{Rs. } 400$ .

**Q123. An item costs Rs. 750. At a profit of 12%, what is the selling price?**

- (A) 660.0
- (B) 774
- (C) 762
- (D) 840

**Answer: D**

Explanation: Selling price =  $750 \times (1 + 12/100) = \text{Rs. } 840$ .

**Q124. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?**

- (A) 45
- (B) 5
- (C) 20
- (D) 25

**Answer: C**

Explanation: Total parts = 9. One part =  $45/9 = 5$ ; first quantity =  $4 \times 5 = 20$ .

**Q125. An item costs Rs. 250. At a profit of 30%, what is the selling price?**

- (A) 325
- (B) 280
- (C) 310
- (D) 175.0

**Answer: A**

Explanation: Selling price =  $250 \times (1 + 30/100) = \text{Rs. } 325$ .

**Q126. An item costs Rs. 200. At a profit of 25%, what is the selling price?**

- (A) 150.0
- (B) 225
- (C) 572
- (D) 250

**Answer: D**

Explanation: Selling price =  $200 \times (1 + 25/100) = \text{Rs. } 250$ .

**Q127. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?**

- (A) 56
- (B) 42
- (C) 98
- (D) 14

**Answer: B**

Explanation: Total parts = 7. One part =  $98/7 = 14$ ; first quantity =  $3 \times 14 = 42$ .

**Q128. Find the average of 33, 77, 56, 79, 32.**

- (A) 55.4
- (B) 69.2
- (C) 53.4
- (D) 57.4

**Answer: A**

Explanation: Average = sum / count =  $277/5 = 55.4$ .

**Q129. A can finish a work in 20 days and B in 40 days. In how many days can they finish it together?**

- (A) 400.0
- (B) 20.0
- (C) 10.0
- (D) 0

**Answer: C**

Explanation: Combined rate =  $1/20 + 1/40 = (40)/400$ ; time =  $400/40 = 10.0$  days.

**Q130. Find the average of 46, 22, 65, 21, 70.**

- (A) 56.0
- (B) 44.8
- (C) 46.8
- (D) 42.8

**Answer: B**

Explanation: Average = sum / count =  $224/5 = 44.8$ .

**Q131. Find the average of 13, 12, 74, 32, 47.**

- (A) 35.6
- (B) 37.6
- (C) 33.6
- (D) 44.5

**Answer: A**

Explanation: Average = sum / count =  $178/5 = 35.6$ .

**Q132. Two quantities are in the ratio 2:3. If their total is 20, what is the first quantity?**

- (A) 20
- (B) 8
- (C) 12
- (D) 4

**Answer: B**

Explanation: Total parts = 5. One part =  $20/5 = 4$ ; first quantity =  $2 \times 4 = 8$ .

**Q133. What is 10% of 200?**

- (A) 30.0
- (B) 20
- (C) 10.0
- (D) 40.0

**Answer: B**

Explanation:  $10\% \text{ of } 200 = (10/100) \times 200 = 20$ .

**Q134. An item costs Rs. 800. At a profit of 10%, what is the selling price?**

- (A) 880
- (B) 810
- (C) 820
- (D) 720.0

**Answer: A**

Explanation: Selling price =  $800 \times (1 + 10/100) = \text{Rs. } 880$ .

**Q135. Two quantities are in the ratio 7:9. If their total is 240, what is the first quantity?**

- (A) 240
- (B) 30
- (C) 105
- (D) 135

**Answer: C**

Explanation: Total parts = 16. One part =  $240/16 = 15$ ; first quantity =  $7 \times 15 = 105$ .

**Q136. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?**

- (A) 162
- (B) 90
- (C) 72
- (D) 18

**Answer: C**

Explanation: Total parts = 9. One part =  $162/9 = 18$ ; first quantity =  $4 \times 18 = 72$ .

**Q137. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?**

- (A) 108
- (B) 56
- (C) 135.0
- (D) 27.0

**Answer: A**

Explanation: Distance = speed  $\times$  time =  $54 \times 2 = 108 \text{ km}$ .

**Q138. What is 35% of 250?**

- (A) 112.5
- (B) 100.0
- (C) 87.5
- (D) 75.0

**Answer: C**

Explanation:  $35\% \text{ of } 250 = (35/100) \times 250 = 87.5$ .

**Q139. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?**

- (A) 54
- (B) 90
- (C) 144
- (D) 36

**Answer: A**

Explanation: Total parts = 8. One part =  $144/8 = 18$ ; first quantity =  $3 \times 18 = 54$ .

**Q140. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?**

- (A) 100.0
- (B) 80
- (C) 20.0
- (D) 42

**Answer: B**

Explanation: Distance = speed  $\times$  time =  $40 \times 2 = 80$  km.

**Q141. Find the average of 52, 56, 21, 56, 52.**

- (A) 47.4
- (B) 45.4
- (C) 59.2
- (D) 49.4

**Answer: A**

Explanation: Average = sum / count =  $237/5 = 47.4$ .

**Q142. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?**

- (A) 157.5
- (B) 180.0
- (C) 12.86
- (D) 48.5

**Answer: A**

Explanation: Distance = speed  $\times$  time =  $45 \times 3.5 = 157.5$  km.

**Q143. What is 10% of 180?**

- (A) 27.0
- (B) 9.0
- (C) 36.0
- (D) 18

**Answer: D**

Explanation: 10% of 180 =  $(10/100) \times 180 = 18$ .

**Q144. What is 20% of 400?**

- (A) 80
- (B) 100.0
- (C) 60.0
- (D) 120.0

**Answer: A**

Explanation: 20% of 400 =  $(20/100) \times 400 = 80$ .

**Q145. Two quantities are in the ratio 3:4. If their total is 42, what is the first quantity?**

- (A) 18
- (B) 6
- (C) 24
- (D) 42

**Answer: A**

Explanation: Total parts = 7. One part =  $42/7 = 6$ ; first quantity =  $3 \times 6 = 18$ .

**Q146. Find the average of 30, 78, 28, 77, 30.**

- (A) 50.6
- (B) 60.8
- (C) 48.6
- (D) 46.6

**Answer: C**

Explanation: Average = sum / count =  $243/5 = 48.6$ .

**Q147. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?**

- (A) 9.0
- (B) 12
- (C) 4.5
- (D) 12.0

**Answer: C**

Explanation: Combined rate =  $1/6 + 1/18 = (24)/108$ ; time =  $108/24 = 4.5$  days.

**Q148. An item costs Rs. 500. At a profit of 10%, what is the selling price?**

- (A) 510
- (B) 520
- (C) 450.0
- (D) 550

**Answer: D**

Explanation: Selling price =  $500 \times (1 + 10/100) = \text{Rs. } 550$ .

**Q149. Find the average of 28, 56, 53, 43, 66.**

- (A) 51.2
- (B) 61.5
- (C) 47.2
- (D) 49.2

**Answer: D**

Explanation: Average = sum / count =  $246/5 = 49.2$ .

**Q150. Two quantities are in the ratio 2:3. If their total is 65, what is the first quantity?**

- (A) 65
- (B) 26
- (C) 39
- (D) 13

**Answer: B**

Explanation: Total parts = 5. One part =  $65/5 = 13$ ; first quantity =  $2 \times 13 = 26$ .

**Q151. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?**

- (A) 62
- (B) 120
- (C) 30.0
- (D) 150.0

**Answer: B**

Explanation: Distance = speed x time =  $60 \times 2 = 120$  km.

**Q152. Find the average of 59, 80, 45, 57, 55.**

- (A) 74.0
- (B) 61.2
- (C) 57.2
- (D) 59.2

**Answer: D**

Explanation: Average = sum / count =  $296/5 = 59.2$ .

**Q153. Find the average of 72, 75, 77, 77, 55.**

- (A) 89.0
- (B) 69.2
- (C) 73.2
- (D) 71.2

**Answer: D**

Explanation: Average = sum / count =  $356/5 = 71.2$ .

**Q154. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.**

- (A) 1600
- (B) 400
- (C) 1200
- (D) 2000

**Answer: A**

Explanation: SI =  $PRT/100 = 4000 \times 10 \times 4/100 = \text{Rs. } 1600$ .

**Q155. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?**

- (A) 162
- (B) 18.0
- (C) 57
- (D) 189.0

**Answer: A**

Explanation: Distance = speed x time =  $54 \times 3 = 162$  km.

**Q156. Find the simple interest on Rs. 3000 at 10% per annum for 4 years.**

- (A) 300
- (B) 1500
- (C) 1200
- (D) 900

**Answer: C**

Explanation: SI =  $PRT/100 = 3000 \times 10 \times 4/100 = \text{Rs. } 1200$ .

**Q157. Find the simple interest on Rs. 5000 at 6% per annum for 4 years.**

- (A) 700
- (B) 300
- (C) 1700
- (D) 1200

**Answer: D**

Explanation:  $SI = \frac{PRT}{100} = 5000 \times 6 \times 4/100 = \text{Rs. } 1200.$

**Q158. Find the average of 56, 53, 33, 50, 44.**

- (A) 49.2
- (B) 45.2
- (C) 59.0
- (D) 47.2

**Answer: D**

Explanation:  $\text{Average} = \frac{\text{sum}}{\text{count}} = 236/5 = 47.2.$

**Q159. A can finish a work in 18 days and B in 30 days. In how many days can they finish it together?**

- (A) 11.25
- (B) 24.0
- (C) 45.0
- (D) 12

**Answer: A**

Explanation:  $\text{Combined rate} = 1/18 + 1/30 = (48)/540$ ;  $\text{time} = 540/48 = 11.25 \text{ days}.$

**Q160. What is 40% of 400?**

- (A) 180.0
- (B) 160
- (C) 140.0
- (D) 200.0

**Answer: B**

Explanation:  $40\% \text{ of } 400 = (40/100) \times 400 = 160.$

**Q161. An item costs Rs. 600. At a profit of 25%, what is the selling price?**

- (A) 650
- (B) 750
- (C) 450.0
- (D) 625

**Answer: B**

Explanation:  $\text{Selling price} = 600 \times (1 + 25/100) = \text{Rs. } 750.$

**Q162. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?**

- (A) 13.5
- (B) 216
- (C) 58
- (D) 243.0

**Answer: B**

Explanation:  $\text{Distance} = \text{speed} \times \text{time} = 54 \times 4 = 216 \text{ km}.$

**Q163. Find the simple interest on Rs. 1200 at 12% per annum for 2 years.**

- (A) 288
- (B) 144
- (C) 168
- (D) 408

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 12 \times 2}{100} = \text{Rs. } 288.$

**Q164. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?**

- (A) 117
- (B) 26
- (C) 208
- (D) 91

**Answer: D**

Explanation: Total parts = 16. One part =  $208/16 = 13$ ; first quantity =  $7 \times 13 = 91.$

**Q165. Find the simple interest on Rs. 2000 at 5% per annum for 3 years.**

- (A) 100
- (B) 300
- (C) 483
- (D) 500

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{2000 \times 5 \times 3}{100} = \text{Rs. } 300.$

**Q166. Find the average of 55, 24, 52, 53, 18.**

- (A) 50.5
- (B) 42.4
- (C) 40.4
- (D) 38.4

**Answer: C**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{202}{5} = 40.4.$

**Q167. Find the average of 30, 31, 74, 65, 79.**

- (A) 69.8
- (B) 53.8
- (C) 55.8
- (D) 57.8

**Answer: C**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{279}{5} = 55.8.$

**Q168. Find the simple interest on Rs. 2500 at 6% per annum for 2 years.**

- (A) 150
- (B) 300
- (C) 550
- (D) 50

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{2500 \times 6 \times 2}{100} = \text{Rs. } 300.$

**Q169. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?**

- (A) 63
- (B) 20.0
- (C) 210.0
- (D) 180

**Answer: D**

Explanation: Distance = speed x time =  $60 \times 3 = 180$  km.

**Q170. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?**

- (A) 80
- (B) 35
- (C) 45
- (D) 10

**Answer: B**

Explanation: Total parts = 16. One part =  $80/16 = 5$ ; first quantity =  $7 \times 5 = 35$ .

**Q171. Find the simple interest on Rs. 1200 at 12% per annum for 3 years.**

- (A) 552
- (B) 432
- (C) 144
- (D) 312

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 12 \times 3}{100} = \text{Rs. } 432$ .

**Q172. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?**

- (A) 2
- (B) 11.0
- (C) 5.45
- (D) 60.0

**Answer: C**

Explanation: Combined rate =  $\frac{1}{10} + \frac{1}{12} = \frac{22}{120}$ ; time =  $\frac{120}{22} = 5.45$  days.

**Q173. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?**

- (A) 24.0
- (B) 4.8
- (C) 4
- (D) 10.0

**Answer: B**

Explanation: Combined rate =  $\frac{1}{8} + \frac{1}{12} = \frac{20}{96}$ ; time =  $\frac{96}{20} = 4.8$  days.

**Q174. What is 30% of 500?**

- (A) 200.0
- (B) 175.0
- (C) 125.0
- (D) 150

**Answer: D**

Explanation: 30% of 500 =  $\frac{30}{100} \times 500 = 150$ .

**Q175. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?**

- (A) 18.0
- (B) 76
- (C) 288
- (D) 324.0

**Answer: C**

Explanation: Distance = speed x time =  $72 \times 4 = 288$  km.

**Q176. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?**

- (A) 108.0
- (B) 90
- (C) 38.5
- (D) 14.4

**Answer: B**

Explanation: Distance = speed x time =  $36 \times 2.5 = 90$  km.

**Q177. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?**

- (A) 47.5
- (B) 18.0
- (C) 135.0
- (D) 112.5

**Answer: D**

Explanation: Distance = speed x time =  $45 \times 2.5 = 112.5$  km.

**Q178. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?**

- (A) 45
- (B) 75
- (C) 15
- (D) 30

**Answer: D**

Explanation: Total parts = 5. One part =  $75/5 = 15$ ; first quantity =  $2 \times 15 = 30$ .

**Q179. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?**

- (A) 126.0
- (B) 12.0
- (C) 39
- (D) 108

**Answer: D**

Explanation: Distance = speed x time =  $36 \times 3 = 108$  km.

**Q180. Find the average of 60, 31, 77, 41, 70.**

- (A) 57.8
- (B) 55.8
- (C) 69.8
- (D) 53.8

**Answer: B**

Explanation: Average = sum / count =  $279/5 = 55.8$ .

**Q181. Find the simple interest on Rs. 4000 at 6% per annum for 3 years.**

- (A) 1120
- (B) 240
- (C) 320
- (D) 720

**Answer: D**

Explanation:  $SI = \frac{PRT}{100} = 4000 \times 6 \times 3/100 = \text{Rs. } 720.$

**Q182. Find the simple interest on Rs. 1500 at 5% per annum for 3 years.**

- (A) 375
- (B) 225
- (C) 75
- (D) 540

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = 1500 \times 5 \times 3/100 = \text{Rs. } 225.$

**Q183. Find the simple interest on Rs. 1200 at 5% per annum for 4 years.**

- (A) 360
- (B) 120
- (C) 240
- (D) 60

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = 1200 \times 5 \times 4/100 = \text{Rs. } 240.$

**Q184. Find the simple interest on Rs. 3000 at 10% per annum for 3 years.**

- (A) 300
- (B) 600
- (C) 900
- (D) 1200

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = 3000 \times 10 \times 3/100 = \text{Rs. } 900.$

**Q185. Two quantities are in the ratio 4:5. If their total is 36, what is the first quantity?**

- (A) 36
- (B) 20
- (C) 4
- (D) 16

**Answer: D**

Explanation: Total parts = 9. One part =  $36/9 = 4$ ; first quantity =  $4 \times 4 = 16.$

**Q186. An item costs Rs. 500. At a profit of 12%, what is the selling price?**

- (A) 440.0
- (B) 512
- (C) 524
- (D) 560

**Answer: D**

Explanation: Selling price =  $500 \times (1 + 12/100) = \text{Rs. } 560.$

**Q187. An item costs Rs. 250. At a profit of 20%, what is the selling price?**

- (A) 200.0
- (B) 290
- (C) 300
- (D) 270

**Answer: C**

Explanation: Selling price =  $250 \times (1 + 20/100) = \text{Rs. } 300$ .

**Q188. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?**

- (A) 9.0
- (B) 40
- (C) 162.0
- (D) 144

**Answer: D**

Explanation: Distance = speed  $\times$  time =  $36 \times 4 = 144$  km.

**Q189. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?**

- (A) 180.0
- (B) 13.5
- (C) 6.67
- (D) 3

**Answer: C**

Explanation: Combined rate =  $1/15 + 1/12 = (27)/180$ ; time =  $180/27 = 6.67$  days.

**Q190. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?**

- (A) 14.4
- (B) 38.5
- (C) 90
- (D) 108.0

**Answer: C**

Explanation: Distance = speed  $\times$  time =  $36 \times 2.5 = 90$  km.

**Q191. An item costs Rs. 300. At a profit of 15%, what is the selling price?**

- (A) 345
- (B) 330
- (C) 255.0
- (D) 315

**Answer: A**

Explanation: Selling price =  $300 \times (1 + 15/100) = \text{Rs. } 345$ .

**Q192. Find the average of 47, 38, 28, 49, 59.**

- (A) 46.2
- (B) 42.2
- (C) 44.2
- (D) 55.2

**Answer: C**

Explanation: Average = sum / count =  $221/5 = 44.2$ .

**Q193. Find the average of 65, 66, 56, 22, 54.**

- (A) 50.6
- (B) 54.6
- (C) 52.6
- (D) 65.8

**Answer: C**

Explanation: Average = sum / count =  $263/5 = 52.6$ .

**Q194. What is 5% of 180?**

- (A) 18.0
- (B) 27.0
- (C) 0
- (D) 9

**Answer: D**

Explanation: 5% of 180 =  $(5/100) \times 180 = 9$ .

**Q195. Two quantities are in the ratio 5:7. If their total is 96, what is the first quantity?**

- (A) 56
- (B) 96
- (C) 16
- (D) 40

**Answer: D**

Explanation: Total parts = 12. One part =  $96/12 = 8$ ; first quantity =  $5 \times 8 = 40$ .

**Q196. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?**

- (A) 144
- (B) 256
- (C) 112
- (D) 32

**Answer: C**

Explanation: Total parts = 16. One part =  $256/16 = 16$ ; first quantity =  $7 \times 16 = 112$ .

**Q197. Find the average of 17, 25, 37, 10, 67.**

- (A) 31.2
- (B) 33.2
- (C) 29.2
- (D) 39.0

**Answer: A**

Explanation: Average = sum / count =  $156/5 = 31.2$ .

**Q198. Find the simple interest on Rs. 4000 at 5% per annum for 4 years.**

- (A) 1200
- (B) 400
- (C) 200
- (D) 800

**Answer: D**

Explanation: SI =  $PRT/100 = 4000 \times 5 \times 4/100 = \text{Rs. } 800$ .

**Q199. What is 10% of 120?**

- (A) 6.0
- (B) 24.0
- (C) 12
- (D) 18.0

**Answer: C**

Explanation: 10% of 120 =  $(10/100) \times 120 = 12$ .

**Q200. What is 40% of 320?**

- (A) 128
- (B) 112.0
- (C) 160.0
- (D) 144.0

**Answer: A**

Explanation: 40% of 320 =  $(40/100) \times 320 = 128$ .

**Q201. An item costs Rs. 200. At a profit of 30%, what is the selling price?**

- (A) 428
- (B) 260
- (C) 140.0
- (D) 230

**Answer: B**

Explanation: Selling price =  $200 \times (1 + 30/100) = \text{Rs. } 260$ .

**Q202. What is 10% of 150?**

- (A) 22.5
- (B) 15
- (C) 7.5
- (D) 30.0

**Answer: B**

Explanation: 10% of 150 =  $(10/100) \times 150 = 15$ .

**Q203. An item costs Rs. 500. At a profit of 30%, what is the selling price?**

- (A) 350.0
- (B) 560
- (C) 530
- (D) 650

**Answer: D**

Explanation: Selling price =  $500 \times (1 + 30/100) = \text{Rs. } 650$ .

**Q204. A can finish a work in 18 days and B in 32 days. In how many days can they finish it together?**

- (A) 9.0
- (B) 324.0
- (C) 18.0
- (D) 0

**Answer: A**

Explanation: Combined rate =  $1/18 + 1/32 = (36)/324$ ; time =  $324/36 = 9.0$  days.

**Q205. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?**

- (A) 72
- (B) 18.0
- (C) 38
- (D) 90.0

**Answer: A**

Explanation: Distance = speed x time =  $36 \times 2 = 72$  km.

**Q206. Find the simple interest on Rs. 1200 at 5% per annum for 3 years.**

- (A) 300
- (B) 180
- (C) 874
- (D) 60

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 5 \times 3}{100} = \text{Rs. } 180$ .

**Q207. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?**

- (A) 22.5
- (B) 8
- (C) 14.0
- (D) 6.43

**Answer: D**

Explanation: Combined rate =  $\frac{1}{10} + \frac{1}{18} = \frac{28}{180}$ ; time =  $\frac{180}{28} = 6.43$  days.

**Q208. What is 30% of 180?**

- (A) 54
- (B) 45.0
- (C) 72.0
- (D) 63.0

**Answer: A**

Explanation: 30% of 180 =  $\left(\frac{30}{100}\right) \times 180 = 54$ .

**Q209. Two quantities are in the ratio 2:3. If their total is 25, what is the first quantity?**

- (A) 15
- (B) 25
- (C) 10
- (D) 5

**Answer: C**

Explanation: Total parts = 5. One part =  $\frac{25}{5} = 5$ ; first quantity =  $2 \times 5 = 10$ .

**Q210. A can finish a work in 15 days and B in 30 days. In how many days can they finish it together?**

- (A) 30.0
- (B) 10.0
- (C) 15
- (D) 22.5

**Answer: B**

Explanation: Combined rate =  $\frac{1}{15} + \frac{1}{30} = \frac{45}{450}$ ; time =  $\frac{450}{45} = 10.0$  days.

**Q211. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?**

- (A) 400.0
- (B) 10.0
- (C) 20.0
- (D) 0

**Answer: B**

Explanation: Combined rate =  $\frac{1}{20} + \frac{1}{20} = \frac{40}{400}$ ; time =  $\frac{400}{40} = 10.0$  days.

**Q212. Two quantities are in the ratio 3:5. If their total is 32, what is the first quantity?**

- (A) 20
- (B) 32
- (C) 8
- (D) 12

**Answer: D**

Explanation: Total parts = 8. One part =  $\frac{32}{8} = 4$ ; first quantity =  $3 \times 4 = 12$ .

**Q213. Find the average of 36, 61, 37, 51, 19.**

- (A) 42.8
- (B) 40.8
- (C) 38.8
- (D) 51.0

**Answer: B**

Explanation: Average = sum / count =  $\frac{204}{5} = 40.8$ .

**Q214. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?**

- (A) 53.5
- (B) 175
- (C) 14.29
- (D) 200.0

**Answer: B**

Explanation: Distance = speed x time =  $50 \times 3.5 = 175$  km.

**Q215. Find the average of 63, 12, 66, 78, 50.**

- (A) 53.8
- (B) 51.8
- (C) 55.8
- (D) 67.2

**Answer: A**

Explanation: Average = sum / count =  $\frac{269}{5} = 53.8$ .

**Q216. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?**

- (A) 175
- (B) 200.0
- (C) 53.5
- (D) 14.29

**Answer: A**

Explanation: Distance = speed x time =  $50 \times 3.5 = 175$  km.

**Q217. What is 20% of 240?**

- (A) 36.0
- (B) 48
- (C) 60.0
- (D) 72.0

**Answer: B**

Explanation: 20% of 240 =  $(20/100) \times 240 = 48$ .

**Q218. A can finish a work in 12 days and B in 30 days. In how many days can they finish it together?**

- (A) 20.0
- (B) 21.0
- (C) 18
- (D) 8.57

**Answer: D**

Explanation: Combined rate =  $1/12 + 1/30 = (42)/360$ ; time =  $360/42 = 8.57$  days.

**Q219. Find the average of 36, 20, 77, 79, 30.**

- (A) 48.4
- (B) 60.5
- (C) 50.4
- (D) 46.4

**Answer: A**

Explanation: Average = sum / count =  $242/5 = 48.4$ .

**Q220. An item costs Rs. 600. At a profit of 25%, what is the selling price?**

- (A) 625
- (B) 650
- (C) 750
- (D) 450.0

**Answer: C**

Explanation: Selling price =  $600 \times (1 + 25/100) = \text{Rs. } 750$ .

**Q221. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?**

- (A) 56.5
- (B) 21.6
- (C) 162.0
- (D) 135

**Answer: D**

Explanation: Distance = speed  $\times$  time =  $54 \times 2.5 = 135$  km.

**Q222. Two quantities are in the ratio 2:3. If their total is 35, what is the first quantity?**

- (A) 14
- (B) 7
- (C) 35
- (D) 21

**Answer: A**

Explanation: Total parts = 5. One part =  $35/5 = 7$ ; first quantity =  $2 \times 7 = 14$ .

**Q223. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?**

- (A) 157.5
- (B) 15.0
- (C) 135
- (D) 48

**Answer: C**

Explanation: Distance = speed x time =  $45 \times 3 = 135$  km.

**Q224. What is 60% of 450?**

- (A) 270
- (B) 247.5
- (C) 292.5
- (D) 315.0

**Answer: A**

Explanation: 60% of 450 =  $(60/100) \times 450 = 270$ .

**Q225. An item costs Rs. 200. At a profit of 30%, what is the selling price?**

- (A) 411
- (B) 230
- (C) 260
- (D) 140.0

**Answer: C**

Explanation: Selling price =  $200 \times (1 + 30/100) = \text{Rs. } 260$ .

**Q226. An item costs Rs. 750. At a profit of 25%, what is the selling price?**

- (A) 562.5
- (B) 775
- (C) 937.5
- (D) 800

**Answer: C**

Explanation: Selling price =  $750 \times (1 + 25/100) = \text{Rs. } 937.5$ .

**Q227. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?**

- (A) 45
- (B) 15
- (C) 30
- (D) 75

**Answer: C**

Explanation: Total parts = 5. One part =  $75/5 = 15$ ; first quantity =  $2 \times 15 = 30$ .

**Q228. An item costs Rs. 300. At a profit of 25%, what is the selling price?**

- (A) 325
- (B) 225.0
- (C) 375
- (D) 350

**Answer: C**

Explanation: Selling price =  $300 \times (1 + 25/100) = \text{Rs. } 375$ .

**Q229. Find the average of 78, 19, 63, 38, 37.**

- (A) 47
- (B) 58.8
- (C) 45
- (D) 49

**Answer: A**

Explanation: Average = sum / count =  $235/5 = 47$ .

**Q230. An item costs Rs. 240. At a profit of 25%, what is the selling price?**

- (A) 290
- (B) 265
- (C) 180.0
- (D) 300

**Answer: D**

Explanation: Selling price =  $240 \times (1 + 25/100) = \text{Rs. } 300$ .

**Q231. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?**

- (A) 2
- (B) 9.47
- (C) 19.0
- (D) 180.0

**Answer: B**

Explanation: Combined rate =  $1/18 + 1/20 = (38)/360$ ; time =  $360/38 = 9.47$  days.

**Q232. What is 30% of 320?**

- (A) 80.0
- (B) 112.0
- (C) 96
- (D) 128.0

**Answer: C**

Explanation: 30% of 320 =  $(30/100) \times 320 = 96$ .

**Q233. Find the average of 63, 26, 67, 22, 72.**

- (A) 62.5
- (B) 52
- (C) 48
- (D) 50

**Answer: D**

Explanation: Average = sum / count =  $250/5 = 50$ .

**Q234. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?**

- (A) 10.5
- (B) 4.29
- (C) 9
- (D) 10.0

**Answer: B**

Explanation: Combined rate =  $1/6 + 1/15 = (21)/90$ ; time =  $90/21 = 4.29$  days.

**Q235. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?**

- (A) 28.8
- (B) 74.5
- (C) 180
- (D) 216.0

**Answer: C**

Explanation: Distance = speed x time =  $72 \times 2.5 = 180$  km.

**Q236. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?**

- (A) 10.91
- (B) 22.0
- (C) 4
- (D) 120.0

**Answer: A**

Explanation: Combined rate =  $\frac{1}{20} + \frac{1}{24} = \frac{44}{480}$ ; time =  $\frac{480}{44} = 10.91$  days.

**Q237. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?**

- (A) 32.5
- (B) 75
- (C) 90.0
- (D) 12.0

**Answer: B**

Explanation: Distance = speed x time =  $30 \times 2.5 = 75$  km.

**Q238. Find the simple interest on Rs. 1500 at 5% per annum for 4 years.**

- (A) 150
- (B) 300
- (C) 75
- (D) 450

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{1500 \times 5 \times 4}{100} = \text{Rs. } 300$ .

**Q239. Two quantities are in the ratio 4:5. If their total is 99, what is the first quantity?**

- (A) 44
- (B) 55
- (C) 99
- (D) 11

**Answer: A**

Explanation: Total parts = 9. One part =  $\frac{99}{9} = 11$ ; first quantity =  $4 \times 11 = 44$ .

**Q240. What is 20% of 180?**

- (A) 27.0
- (B) 45.0
- (C) 36
- (D) 54.0

**Answer: C**

Explanation: 20% of 180 =  $\frac{20}{100} \times 180 = 36$ .

**Q241. A vehicle travels at 50 km/h for 2 hours. What distance does it cover?**

- (A) 52
- (B) 25.0
- (C) 100
- (D) 125.0

**Answer: C**

Explanation: Distance = speed x time =  $50 \times 2 = 100$  km.

**Q242. An item costs Rs. 600. At a profit of 20%, what is the selling price?**

- (A) 720
- (B) 480.0
- (C) 640
- (D) 620

**Answer: A**

Explanation: Selling price =  $600 \times (1 + 20/100) = \text{Rs. } 720$ .

**Q243. An item costs Rs. 320. At a profit of 15%, what is the selling price?**

- (A) 335
- (B) 272.0
- (C) 368
- (D) 350

**Answer: C**

Explanation: Selling price =  $320 \times (1 + 15/100) = \text{Rs. } 368$ .

**Q244. What is 50% of 180?**

- (A) 99.0
- (B) 108.0
- (C) 81.0
- (D) 90

**Answer: D**

Explanation: 50% of 180 =  $(50/100) \times 180 = 90$ .

**Q245. Two quantities are in the ratio 2:3. If their total is 65, what is the first quantity?**

- (A) 65
- (B) 13
- (C) 26
- (D) 39

**Answer: C**

Explanation: Total parts = 5. One part =  $65/5 = 13$ ; first quantity =  $2 \times 13 = 26$ .

**Q246. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?**

- (A) 216.0
- (B) 28.8
- (C) 180
- (D) 74.5

**Answer: C**

Explanation: Distance = speed x time =  $72 \times 2.5 = 180$  km.

**Q247. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?**

- (A) 20.0
- (B) 150.0
- (C) 125
- (D) 52.5

**Answer: C**

Explanation: Distance = speed x time =  $50 \times 2.5 = 125$  km.

**Q248. Find the simple interest on Rs. 1200 at 12% per annum for 4 years.**

- (A) 456
- (B) 144
- (C) 576
- (D) 696

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 12 \times 4}{100} = \text{Rs. } 576$ .

**Q249. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?**

- (A) 20.0
- (B) 100.0
- (C) 80
- (D) 42

**Answer: C**

Explanation: Distance = speed x time =  $40 \times 2 = 80$  km.

**Q250. Find the simple interest on Rs. 3000 at 8% per annum for 2 years.**

- (A) 780
- (B) 240
- (C) 480
- (D) 180

**Answer: C**

Explanation:  $SI = \frac{PRT}{100} = \frac{3000 \times 8 \times 2}{100} = \text{Rs. } 480$ .

**Q251. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?**

- (A) 189.0
- (B) 57
- (C) 18.0
- (D) 162

**Answer: D**

Explanation: Distance = speed x time =  $54 \times 3 = 162$  km.

**Q252. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?**

- (A) 57
- (B) 189.0
- (C) 18.0
- (D) 162

**Answer: D**

Explanation: Distance = speed x time =  $54 \times 3 = 162$  km.

**Q253. Two quantities are in the ratio 3:4. If their total is 77, what is the first quantity?**

- (A) 33
- (B) 11
- (C) 77
- (D) 44

**Answer: A**

Explanation: Total parts = 7. One part =  $77/7 = 11$ ; first quantity =  $3 \times 11 = 33$ .

**Q254. Find the average of 36, 70, 15, 73, 76.**

- (A) 54
- (B) 67.5
- (C) 52
- (D) 56

**Answer: A**

Explanation: Average = sum / count =  $270/5 = 54$ .

**Q255. Find the simple interest on Rs. 1000 at 12% per annum for 3 years.**

- (A) 360
- (B) 460
- (C) 260
- (D) 120

**Answer: A**

Explanation:  $SI = PRT/100 = 1000 \times 12 \times 3/100 = \text{Rs. } 360$ .

**Q256. Find the simple interest on Rs. 2000 at 6% per annum for 2 years.**

- (A) 120
- (B) 40
- (C) 240
- (D) 440

**Answer: C**

Explanation:  $SI = PRT/100 = 2000 \times 6 \times 2/100 = \text{Rs. } 240$ .

**Q257. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?**

- (A) 7.5
- (B) 8
- (C) 240.0
- (D) 16.0

**Answer: A**

Explanation: Combined rate =  $1/20 + 1/12 = (32)/240$ ; time =  $240/32 = 7.5$  days.

**Q258. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?**

- (A) 40
- (B) 162.0
- (C) 9.0
- (D) 144

**Answer: D**

Explanation: Distance = speed  $\times$  time =  $36 \times 4 = 144$  km.

**Q259. Two quantities are in the ratio 3:5. If their total is 80, what is the first quantity?**

- (A) 80
- (B) 50
- (C) 30
- (D) 20

**Answer: C**

Explanation: Total parts = 8. One part =  $80/8 = 10$ ; first quantity =  $3 \times 10 = 30$ .

**Q260. Find the average of 64, 13, 33, 33, 21.**

- (A) 34.8
- (B) 32.8
- (C) 30.8
- (D) 41.0

**Answer: B**

Explanation: Average = sum / count =  $164/5 = 32.8$ .

**Q261. Find the simple interest on Rs. 2000 at 10% per annum for 2 years.**

- (A) 400
- (B) 407
- (C) 200
- (D) 600

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = \frac{2000 \times 10 \times 2}{100} = \text{Rs. } 400$ .

**Q262. Find the average of 12, 13, 16, 22, 54.**

- (A) 25.4
- (B) 23.4
- (C) 21.4
- (D) 29.2

**Answer: B**

Explanation: Average = sum / count =  $117/5 = 23.4$ .

**Q263. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?**

- (A) 40
- (B) 162.0
- (C) 144
- (D) 9.0

**Answer: C**

Explanation: Distance = speed x time =  $36 \times 4 = 144$  km.

**Q264. What is 60% of 450?**

- (A) 270
- (B) 247.5
- (C) 292.5
- (D) 315.0

**Answer: A**

Explanation: 60% of 450 =  $(60/100) \times 450 = 270$ .

**Q265. Two quantities are in the ratio 5:7. If their total is 132, what is the first quantity?**

- (A) 132
- (B) 22
- (C) 55
- (D) 77

**Answer: C**

Explanation: Total parts = 12. One part =  $132/12 = 11$ ; first quantity =  $5 \times 11 = 55$ .

**Q266. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?**

- (A) 0
- (B) 7.5
- (C) 225.0
- (D) 15.0

**Answer: B**

Explanation: Combined rate =  $1/15 + 1/15 = (30)/225$ ; time =  $225/30 = 7.5$  days.

**Q267. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?**

- (A) 62.5
- (B) 150
- (C) 180.0
- (D) 24.0

**Answer: B**

Explanation: Distance = speed x time =  $60 \times 2.5 = 150$  km.

**Q268. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?**

- (A) 108.0
- (B) 90
- (C) 14.4
- (D) 38.5

**Answer: B**

Explanation: Distance = speed x time =  $36 \times 2.5 = 90$  km.

**Q269. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?**

- (A) 16.5
- (B) 3
- (C) 8.18
- (D) 270.0

**Answer: C**

Explanation: Combined rate =  $1/18 + 1/15 = (33)/270$ ; time =  $270/33 = 8.18$  days.

**Q270. What is 10% of 450?**

- (A) 45
- (B) 90.0
- (C) 67.5
- (D) 22.5

**Answer: A**

Explanation: 10% of 450 =  $(10/100) \times 450 = 45$ .

**Q271. Find the simple interest on Rs. 1200 at 6% per annum for 3 years.**

- (A) 72
- (B) 216
- (C) 96
- (D) 336

**Answer: B**

Explanation:  $SI = \frac{PRT}{100} = \frac{1200 \times 6 \times 3}{100} = \text{Rs. } 216.$

**Q272. Find the simple interest on Rs. 2500 at 5% per annum for 4 years.**

- (A) 500
- (B) 750
- (C) 125
- (D) 250

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = \frac{2500 \times 5 \times 4}{100} = \text{Rs. } 500.$

**Q273. Two quantities are in the ratio 7:9. If their total is 224, what is the first quantity?**

- (A) 28
- (B) 224
- (C) 126
- (D) 98

**Answer: D**

Explanation: Total parts = 16. One part =  $224/16 = 14$ ; first quantity =  $7 \times 14 = 98.$

**Q274. A can finish a work in 12 days and B in 24 days. In how many days can they finish it together?**

- (A) 12
- (B) 18.0
- (C) 24.0
- (D) 8.0

**Answer: D**

Explanation: Combined rate =  $\frac{1}{12} + \frac{1}{24} = \frac{36}{288}$ ; time =  $288/36 = 8.0$  days.

**Q275. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?**

- (A) 162
- (B) 72
- (C) 18
- (D) 90

**Answer: B**

Explanation: Total parts = 9. One part =  $162/9 = 18$ ; first quantity =  $4 \times 18 = 72.$

**Q276. Find the average of 25, 20, 32, 29, 68.**

- (A) 43.5
- (B) 36.8
- (C) 34.8
- (D) 32.8

**Answer: C**

Explanation: Average =  $\frac{\text{sum}}{\text{count}} = \frac{174}{5} = 34.8.$

**Q277. An item costs Rs. 800. At a profit of 10%, what is the selling price?**

- (A) 880
- (B) 720.0
- (C) 810
- (D) 820

**Answer: A**

Explanation: Selling price =  $800 \times (1 + 10/100) = \text{Rs. } 880$ .

**Q278. What is 40% of 120?**

- (A) 42.0
- (B) 54.0
- (C) 48
- (D) 60.0

**Answer: C**

Explanation: 40% of 120 =  $(40/100) \times 120 = 48$ .

**Q279. Find the simple interest on Rs. 5000 at 8% per annum for 3 years.**

- (A) 1200
- (B) 1700
- (C) 400
- (D) 700

**Answer: A**

Explanation:  $SI = PRT/100 = 5000 \times 8 \times 3/100 = \text{Rs. } 1200$ .

**Q280. Find the simple interest on Rs. 3000 at 12% per annum for 4 years.**

- (A) 1440
- (B) 360
- (C) 1140
- (D) 1740

**Answer: A**

Explanation:  $SI = PRT/100 = 3000 \times 12 \times 4/100 = \text{Rs. } 1440$ .

**Q281. Find the simple interest on Rs. 2500 at 12% per annum for 3 years.**

- (A) 900
- (B) 650
- (C) 1150
- (D) 300

**Answer: A**

Explanation:  $SI = PRT/100 = 2500 \times 12 \times 3/100 = \text{Rs. } 900$ .

**Q282. Two quantities are in the ratio 7:9. If their total is 288, what is the first quantity?**

- (A) 162
- (B) 36
- (C) 126
- (D) 288

**Answer: C**

Explanation: Total parts = 16. One part =  $288/16 = 18$ ; first quantity =  $7 \times 18 = 126$ .

**Q283. Two quantities are in the ratio 3:4. If their total is 42, what is the first quantity?**

- (A) 18
- (B) 6
- (C) 42
- (D) 24

**Answer: A**

Explanation: Total parts = 7. One part =  $42/7 = 6$ ; first quantity =  $3 \times 6 = 18$ .

**Q284. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?**

- (A) 28
- (B) 112
- (C) 70
- (D) 42

**Answer: D**

Explanation: Total parts = 8. One part =  $112/8 = 14$ ; first quantity =  $3 \times 14 = 42$ .

**Q285. Find the average of 33, 24, 13, 51, 25.**

- (A) 29.2
- (B) 31.2
- (C) 27.2
- (D) 36.5

**Answer: A**

Explanation: Average = sum / count =  $146/5 = 29.2$ .

**Q286. Find the simple interest on Rs. 1500 at 6% per annum for 2 years.**

- (A) 180
- (B) 30
- (C) 330
- (D) 90

**Answer: A**

Explanation:  $SI = \frac{PRT}{100} = 1500 \times 6 \times 2/100 = \text{Rs. } 180$ .

**Q287. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?**

- (A) 256
- (B) 144
- (C) 112
- (D) 32

**Answer: C**

Explanation: Total parts = 16. One part =  $256/16 = 16$ ; first quantity =  $7 \times 16 = 112$ .

**Q288. What is 15% of 300?**

- (A) 75.0
- (B) 45
- (C) 60.0
- (D) 30.0

**Answer: B**

Explanation: 15% of 300 =  $(15/100) \times 300 = 45$ .

**Q289. What is 50% of 150?**

- (A) 90.0
- (B) 82.5
- (C) 75
- (D) 67.5

**Answer: C**

Explanation: 50% of 150 =  $(50/100) \times 150 = 75$ .

**Q290. What is 30% of 480?**

- (A) 144
- (B) 120.0
- (C) 192.0
- (D) 168.0

**Answer: A**

Explanation: 30% of 480 =  $(30/100) \times 480 = 144$ .

**Q291. Find the average of 41, 56, 73, 29, 16.**

- (A) 41
- (B) 43
- (C) 53.8
- (D) 45

**Answer: B**

Explanation: Average = sum / count =  $215/5 = 43$ .

**Q292. Find the average of 45, 54, 70, 78, 77.**

- (A) 66.8
- (B) 62.8
- (C) 64.8
- (D) 81.0

**Answer: C**

Explanation: Average = sum / count =  $324/5 = 64.8$ .

**Q293. Two quantities are in the ratio 7:9. If their total is 96, what is the first quantity?**

- (A) 96
- (B) 42
- (C) 12
- (D) 54

**Answer: B**

Explanation: Total parts = 16. One part =  $96/16 = 6$ ; first quantity =  $7 \times 6 = 42$ .

**Q294. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?**

- (A) 40.0
- (B) 9
- (C) 19.5
- (D) 9.23

**Answer: D**

Explanation: Combined rate =  $1/15 + 1/24 = (39)/360$ ; time =  $360/39 = 9.23$  days.

**Q295. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?**

- (A) 57
- (B) 162
- (C) 189.0
- (D) 18.0

**Answer: B**

Explanation: Distance = speed x time =  $54 \times 3 = 162$  km.

**Q296. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?**

- (A) 240.0
- (B) 63.5
- (C) 210
- (D) 17.14

**Answer: C**

Explanation: Distance = speed x time =  $60 \times 3.5 = 210$  km.

**Q297. An item costs Rs. 750. At a profit of 10%, what is the selling price?**

- (A) 760
- (B) 770
- (C) 675.0
- (D) 825

**Answer: D**

Explanation: Selling price =  $750 \times (1 + 10/100) = \text{Rs. } 825$ .

**Q298. A can finish a work in 6 days and B in 24 days. In how many days can they finish it together?**

- (A) 15.0
- (B) 8.0
- (C) 4.8
- (D) 18

**Answer: C**

Explanation: Combined rate =  $1/6 + 1/24 = (30)/144$ ; time =  $144/30 = 4.8$  days.

**Q299. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?**

- (A) 120
- (B) 135.0
- (C) 7.5
- (D) 34

**Answer: A**

Explanation: Distance = speed x time =  $30 \times 4 = 120$  km.

**Q300. A vehicle travels at 50 km/h for 2 hours. What distance does it cover?**

- (A) 125.0
- (B) 100
- (C) 25.0
- (D) 52

**Answer: B**

Explanation: Distance = speed x time =  $50 \times 2 = 100$  km.

## General Intelligence & Reasoning

**Q301. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q302. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 4
- (B) 14
- (C) 12.3
- (D) 10.3

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 9^2} = 10.3$  km.

**Q303. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q304. Find the next number: 10, 19, 28, 37, 46, ?**

- (A) 64
- (B) 73
- (C) 55
- (D) 46

**Answer: C**

Explanation: The sequence increases by 9 each time, so the next number is  $46 + 9 = 55$ .

**Q305. Find the next number: 11, 15, 19, 23, 27, ?**

- (A) 39
- (B) 27
- (C) 35
- (D) 31

**Answer: D**

Explanation: The sequence increases by 4 each time, so the next number is  $27 + 4 = 31$ .

**Q306. Find the next number: 20, 26, 32, 38, 44, ?**

- (A) 44
- (B) 50
- (C) 56
- (D) 62

**Answer: B**

Explanation: The sequence increases by 6 each time, so the next number is  $44 + 6 = 50$ .

**Q307. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q308. A person walks 5 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 7.07
- (B) 0
- (C) 10
- (D) 9.07

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 5^2} = 7.07$  km.

**Q309. Find the next number: 12, 17, 22, 27, 32, ?**

- (A) 32
- (B) 37
- (C) 42
- (D) 47

**Answer: B**

Explanation: The sequence increases by 5 each time, so the next number is  $32 + 5 = 37$ .

**Q310. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 5.0
- (B) 7
- (C) 7.0
- (D) 1

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{4^2 + 3^2} = 5.0$  km.

**Q311. Find the next number: 4, 13, 22, 31, 40, ?**

- (A) 40
- (B) 58
- (C) 49
- (D) 67

**Answer: C**

Explanation: The sequence increases by 9 each time, so the next number is  $40 + 9 = 49$ .

**Q312. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 9.9
- (B) 11.9
- (C) 0
- (D) 14

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 7^2} = 9.9$  km.

**Q313. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) EPH
- (C) DOG
- (D) GOD

**Answer: B**

Explanation: Shift each letter forward by one: DOG → EPH.

**Q314. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) ECV
- (B) CAT
- (C) TAC
- (D) DBU

**Answer: D**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q315. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q316. Find the next number: 3, 9, 15, 21, 27, ?**

- (A) 39
- (B) 45
- (C) 33
- (D) 27

**Answer: C**

Explanation: The sequence increases by 6 each time, so the next number is  $27 + 6 = 33$ .

**Q317. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q318. Find the next number: 17, 19, 21, 23, 25, ?**

- (A) 29
- (B) 31
- (C) 25
- (D) 27

**Answer: D**

Explanation: The sequence increases by 2 each time, so the next number is  $25 + 2 = 27$ .

**Q319. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 1
- (B) 13.45
- (C) 19
- (D) 15.45

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 9^2} = 13.45$  km.

**Q320. Find the next number: 19, 22, 25, 28, 31, ?**

- (A) 37
- (B) 34
- (C) 31
- (D) 40

**Answer: B**

Explanation: The sequence increases by 3 each time, so the next number is  $31 + 3 = 34$ .

**Q321. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) CAT
- (B) DBU
- (C) ECV
- (D) TAC

**Answer: B**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q322. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q323. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 4
- (B) 16
- (C) 11.66
- (D) 13.66

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{6^2 + 10^2} = 11.66$  km.

**Q324. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q325. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) HTAM
- (C) NBUI
- (D) MATH

**Answer: C**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q326. Find the next number: 8, 17, 26, 35, 44, ?**

- (A) 71
- (B) 53
- (C) 62
- (D) 44

**Answer: B**

Explanation: The sequence increases by 9 each time, so the next number is  $44 + 9 = 53$ .

**Q327. A person walks 9 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 9.49
- (B) 12
- (C) 11.49
- (D) 6

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 3^2} = 9.49$  km.

**Q328. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q329. A person walks 5 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 11
- (B) 9.81
- (C) 7.81
- (D) 1

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 6^2} = 7.81$  km.

**Q330. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q331. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) NBUI
- (C) MATH
- (D) HTAM

**Answer: B**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q332. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 13.66
- (B) 4
- (C) 16
- (D) 11.66

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{6^2 + 10^2} = 11.66$  km.

**Q333. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q334. Find the next number: 17, 21, 25, 29, 33, ?**

- (A) 41
- (B) 37
- (C) 45
- (D) 33

**Answer: B**

Explanation: The sequence increases by 4 each time, so the next number is  $33 + 4 = 37$ .

**Q335. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q336. Find the next number: 8, 11, 14, 17, 20, ?**

- (A) 26
- (B) 29
- (C) 23
- (D) 20

**Answer: C**

Explanation: The sequence increases by 3 each time, so the next number is  $20 + 3 = 23$ .

**Q337. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) HTAM
- (B) NBUI
- (C) MATH
- (D) OCVJ

**Answer: B**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q338. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q339. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) LIAR
- (B) SBJM
- (C) TCKN
- (D) RAIL

**Answer: B**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q340. Find the next number: 17, 25, 33, 41, 49, ?**

- (A) 57
- (B) 73
- (C) 49
- (D) 65

**Answer: A**

Explanation: The sequence increases by 8 each time, so the next number is  $49 + 8 = 57$ .

**Q341. Find the next number: 18, 21, 24, 27, 30, ?**

- (A) 39
- (B) 33
- (C) 30
- (D) 36

**Answer: B**

Explanation: The sequence increases by 3 each time, so the next number is  $30 + 3 = 33$ .

**Q342. If each letter is replaced by the next letter of the alphabet, how is CODE coded?**

- (A) CODE
- (B) EQFG
- (C) DPEF
- (D) EDOC

**Answer: C**

Explanation: Shift each letter forward by one: CODE → DPEF.

**Q343. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 2
- (B) 5.83
- (C) 7.83
- (D) 8

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 3^2} = 5.83$  km.

**Q344. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q345. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q346. A person walks 9 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 10.3
- (B) 4
- (C) 14
- (D) 12.3

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 5^2} = 10.3$  km.

**Q347. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) ECV
- (B) TAC
- (C) CAT
- (D) DBU

**Answer: D**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q348. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q349. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q350. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 7
- (B) 10.44
- (C) 12.44
- (D) 13

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 3^2} = 10.44$  km.

**Q351. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) EPH
- (C) DOG
- (D) GOD

**Answer: B**

Explanation: Shift each letter forward by one: DOG → EPH.

**Q352. Find the next number: 11, 13, 15, 17, 19, ?**

- (A) 25
- (B) 21
- (C) 23
- (D) 19

**Answer: B**

Explanation: The sequence increases by 2 each time, so the next number is  $19 + 2 = 21$ .

**Q353. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) MATH
- (B) NBUI
- (C) HTAM
- (D) OCVJ

**Answer: B**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q354. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q355. Find the next number: 17, 19, 21, 23, 25, ?**

- (A) 25
- (B) 29
- (C) 27
- (D) 31

**Answer: C**

Explanation: The sequence increases by 2 each time, so the next number is  $25 + 2 = 27$ .

**Q356. Find the next number: 6, 9, 12, 15, 18, ?**

- (A) 27
- (B) 24
- (C) 18
- (D) 21

**Answer: D**

Explanation: The sequence increases by 3 each time, so the next number is  $18 + 3 = 21$ .

**Q357. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?**

- (A) 7
- (B) 5.0
- (C) 7.0
- (D) 1

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{3^2 + 4^2} = 5.0$  km.

**Q358. Find the next number: 15, 20, 25, 30, 35, ?**

- (A) 35
- (B) 40
- (C) 50
- (D) 45

**Answer: B**

Explanation: The sequence increases by 5 each time, so the next number is  $35 + 5 = 40$ .

**Q359. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) HTAM
- (C) NBUI
- (D) MATH

**Answer: C**

Explanation: Shift each letter forward by one: MATH  $\rightarrow$  NBUI.

**Q360. A person walks 9 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 10.82
- (B) 12.82
- (C) 15
- (D) 3

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 6^2} = 10.82$  km.

**Q361. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

**Answer: D**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q362. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q363. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) TAC
- (B) DBU
- (C) CAT
- (D) ECV

**Answer: B**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q364. Find the next number: 19, 25, 31, 37, 43, ?**

- (A) 49
- (B) 61
- (C) 43
- (D) 55

**Answer: A**

Explanation: The sequence increases by 6 each time, so the next number is  $43 + 6 = 49$ .

**Q365. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?**

- (A) 14.04
- (B) 17
- (C) 1
- (D) 12.04

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 8^2} = 12.04$  km.

**Q366. If each letter is replaced by the next letter of the alphabet, how is CODE coded?**

- (A) EQFG
- (B) CODE
- (C) DPEF
- (D) EDOC

**Answer: C**

Explanation: Shift each letter forward by one: CODE → DPEF.

**Q367. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) HTAM
- (B) OCVJ
- (C) NBUI
- (D) MATH

**Answer: C**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q368. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q369. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 11.66
- (B) 13.66
- (C) 4
- (D) 16

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 6^2} = 11.66$  km.

**Q370. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q371. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 11.4
- (B) 13.4
- (C) 16
- (D) 2

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 9^2} = 11.4$  km.

**Q372. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q373. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q374. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) ECV
- (B) DBU
- (C) CAT
- (D) TAC

**Answer: B**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q375. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) TCKN
- (B) LIAR
- (C) SBJM
- (D) RAIL

**Answer: C**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q376. Find the next number: 9, 12, 15, 18, 21, ?**

- (A) 30
- (B) 24
- (C) 27
- (D) 21

**Answer: B**

Explanation: The sequence increases by 3 each time, so the next number is  $21 + 3 = 24$ .

**Q377. Find the next number: 5, 7, 9, 11, 13, ?**

- (A) 15
- (B) 17
- (C) 19
- (D) 13

**Answer: A**

Explanation: The sequence increases by 2 each time, so the next number is  $13 + 2 = 15$ .

**Q378. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q379. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q380. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: B**

Explanation: The wild animals need not be cats.

**Q381. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q382. If each letter is replaced by the next letter of the alphabet, how is CODE coded?**

- (A) EQFG
- (B) EDOC
- (C) CODE
- (D) DPEF

**Answer: D**

Explanation: Shift each letter forward by one: CODE → DPEF.

**Q383. Find the next number: 7, 9, 11, 13, 15, ?**

- (A) 21
- (B) 19
- (C) 17
- (D) 15

**Answer: C**

Explanation: The sequence increases by 2 each time, so the next number is  $15 + 2 = 17$ .

**Q384. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 13.4
- (B) 11.4
- (C) 2
- (D) 16

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 9^2} = 11.4$  km.

**Q385. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q386. Find the next number: 20, 26, 32, 38, 44, ?**

- (A) 44
- (B) 62
- (C) 50
- (D) 56

**Answer: C**

Explanation: The sequence increases by 6 each time, so the next number is  $44 + 6 = 50$ .

**Q387. Find the next number: 17, 26, 35, 44, 53, ?**

- (A) 71
- (B) 62
- (C) 53
- (D) 80

**Answer: B**

Explanation: The sequence increases by 9 each time, so the next number is  $53 + 9 = 62$ .

**Q388. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) GOD
- (C) DOG
- (D) EPH

**Answer: D**

Explanation: Shift each letter forward by one: DOG → EPH.

**Q389. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) CAT
- (B) TAC
- (C) DBU
- (D) ECV

**Answer: C**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q390. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) CAT
- (B) DBU
- (C) TAC
- (D) ECV

**Answer: B**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q391. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) DCPM
- (B) BANK
- (C) KNAB
- (D) CBOL

**Answer: D**

Explanation: Shift each letter forward by one: BANK → CBOL.

**Q392. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) CBOL
- (B) DCPM
- (C) KNAB
- (D) BANK

**Answer: A**

Explanation: Shift each letter forward by one: BANK → CBOL.

**Q393. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 8.06
- (B) 11
- (C) 10.06
- (D) 3

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{4^2 + 7^2} = 8.06$  km.

**Q394. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 10.3
- (B) 12.3
- (C) 4
- (D) 14

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 9^2} = 10.3$  km.

**Q395. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q396. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q397. Find the next number: 13, 19, 25, 31, 37, ?**

- (A) 37
- (B) 43
- (C) 55
- (D) 49

**Answer: B**

Explanation: The sequence increases by 6 each time, so the next number is  $37 + 6 = 43$ .

**Q398. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) SBJM
- (B) TCKN
- (C) LIAR
- (D) RAIL

**Answer: A**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q399. Find the next number: 6, 14, 22, 30, 38, ?**

- (A) 54
- (B) 62
- (C) 46
- (D) 38

**Answer: C**

Explanation: The sequence increases by 8 each time, so the next number is  $38 + 8 = 46$ .

**Q400. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 15
- (B) 11.18
- (C) 13.18
- (D) 5

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 5^2} = 11.18$  km.

**Q401. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) EPH
- (C) DOG
- (D) GOD

**Answer: B**

Explanation: Shift each letter forward by one: DOG → EPH.

**Q402. If each letter is replaced by the next letter of the alphabet, how is CODE coded?**

- (A) DPEF
- (B) EDOC
- (C) CODE
- (D) EQFG

**Answer: A**

Explanation: Shift each letter forward by one: CODE → DPEF.

**Q403. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q404. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

**Answer: D**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q405. Find the next number: 19, 23, 27, 31, 35, ?**

- (A) 47
- (B) 39
- (C) 35
- (D) 43

**Answer: B**

Explanation: The sequence increases by 4 each time, so the next number is  $35 + 4 = 39$ .

**Q406. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 14.21
- (B) 17
- (C) 12.21
- (D) 3

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 10^2} = 12.21$  km.

**Q407. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q408. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q409. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) ECV
- (B) DBU
- (C) CAT
- (D) TAC

**Answer: B**

Explanation: Shift each letter forward by one: CAT -> DBU.

**Q410. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) DCPM
- (B) KNAB
- (C) CBOL
- (D) BANK

**Answer: C**

Explanation: Shift each letter forward by one: BANK -> CBOL.

**Q411. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 8.6
- (B) 10.6
- (C) 12
- (D) 2

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 7^2} = 8.6$  km.

**Q412. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 10
- (B) 7.62
- (C) 9.62
- (D) 4

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 3^2} = 7.62$  km.

**Q413. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 3
- (B) 17
- (C) 14.21
- (D) 12.21

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 7^2} = 12.21$  km.

**Q414. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q415. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 1
- (B) 9.81
- (C) 7.81
- (D) 11

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{6^2 + 5^2} = 7.81$  km.

**Q416. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q417. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 11.18
- (B) 15
- (C) 13.18
- (D) 5

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 5^2} = 11.18$  km.

**Q418. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q419. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q420. Find the next number: 7, 15, 23, 31, 39, ?**

- (A) 63
- (B) 39
- (C) 47
- (D) 55

**Answer: C**

Explanation: The sequence increases by 8 each time, so the next number is  $39 + 8 = 47$ .

**Q421. Find the next number: 4, 12, 20, 28, 36, ?**

- (A) 44
- (B) 60
- (C) 36
- (D) 52

**Answer: A**

Explanation: The sequence increases by 8 each time, so the next number is  $36 + 8 = 44$ .

**Q422. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q423. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 10.44
- (B) 7
- (C) 12.44
- (D) 13

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 3^2} = 10.44$  km.

**Q424. A person walks 4 km north and then 4 km east. What is the straight-line distance from the starting point?**

- (A) 8
- (B) 7.66
- (C) 0
- (D) 5.66

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{4^2 + 4^2} = 5.66$  km.

**Q425. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q426. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 17
- (B) 1
- (C) 14.04
- (D) 12.04

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{8^2 + 9^2} = 12.04$  km.

**Q427. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 1
- (B) 11.22
- (C) 13
- (D) 9.22

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 6^2} = 9.22$  km.

**Q428. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 15
- (B) 5
- (C) 11.18
- (D) 13.18

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 5^2} = 11.18$  km.

**Q429. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 17
- (B) 14.21
- (C) 3
- (D) 12.21

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 7^2} = 12.21$  km.

**Q430. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q431. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q432. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q433. A person walks 8 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 12.81
- (B) 2
- (C) 14.81
- (D) 18

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{8^2 + 10^2} = 12.81$  km.

**Q434. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) TCKN
- (B) SBJM
- (C) RAIL
- (D) LIAR

**Answer: B**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q435. Find the next number: 11, 20, 29, 38, 47, ?**

- (A) 74
- (B) 65
- (C) 56
- (D) 47

**Answer: C**

Explanation: The sequence increases by 9 each time, so the next number is  $47 + 9 = 56$ .

**Q436. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) TAC
- (B) ECV
- (C) CAT
- (D) DBU

**Answer: D**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q437. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) DCPM
- (B) KNAB
- (C) CBOL
- (D) BANK

**Answer: C**

Explanation: Shift each letter forward by one: BANK → CBOL.

**Q438. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

**Answer: D**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q439. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q440. Find the next number: 7, 12, 17, 22, 27, ?**

- (A) 42
- (B) 37
- (C) 32
- (D) 27

**Answer: C**

Explanation: The sequence increases by 5 each time, so the next number is  $27 + 5 = 32$ .

**Q441. Find the next number: 10, 19, 28, 37, 46, ?**

- (A) 64
- (B) 73
- (C) 46
- (D) 55

**Answer: D**

Explanation: The sequence increases by 9 each time, so the next number is  $46 + 9 = 55$ .

**Q442. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 3
- (B) 12.21
- (C) 17
- (D) 14.21

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 10^2} = 12.21$  km.

**Q443. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?**

- (A) 17
- (B) 1
- (C) 14.04
- (D) 12.04

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 8^2} = 12.04$  km.

**Q444. Find the next number: 19, 23, 27, 31, 35, ?**

- (A) 43
- (B) 39
- (C) 47
- (D) 35

**Answer: B**

Explanation: The sequence increases by 4 each time, so the next number is  $35 + 4 = 39$ .

**Q445. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q446. Find the next number: 5, 10, 15, 20, 25, ?**

- (A) 40
- (B) 25
- (C) 35
- (D) 30

**Answer: D**

Explanation: The sequence increases by 5 each time, so the next number is  $25 + 5 = 30$ .

**Q447. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q448. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) RAIL
- (B) LIAR
- (C) TCKN
- (D) SBJM

**Answer: D**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q449. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q450. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) ECV
- (B) DBU
- (C) TAC
- (D) CAT

**Answer: B**

Explanation: Shift each letter forward by one: CAT → DBU.

**Q451. Find the next number: 16, 24, 32, 40, 48, ?**

- (A) 48
- (B) 64
- (C) 56
- (D) 72

**Answer: C**

Explanation: The sequence increases by 8 each time, so the next number is  $48 + 8 = 56$ .

**Q452. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q453. A person walks 9 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 15
- (B) 12.82
- (C) 3
- (D) 10.82

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 6^2} = 10.82$  km.

**Q454. A person walks 9 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 16
- (B) 2
- (C) 11.4
- (D) 13.4

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 7^2} = 11.4$  km.

**Q455. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q456. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q457. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: B**

Explanation: The wild animals need not be cats.

**Q458. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q459. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q460. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q461. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q462. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q463. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 11.22
- (B) 1
- (C) 13
- (D) 9.22

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{6^2 + 7^2} = 9.22$  km.

**Q464. A person walks 9 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 12.82
- (B) 3
- (C) 15
- (D) 10.82

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 6^2} = 10.82$  km.

**Q465. Find the next number: 7, 11, 15, 19, 23, ?**

- (A) 31
- (B) 27
- (C) 35
- (D) 23

**Answer: B**

Explanation: The sequence increases by 4 each time, so the next number is  $23 + 4 = 27$ .

**Q466. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q467. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) LIAR
- (B) SBJM
- (C) RAIL
- (D) TCKN

**Answer: B**

Explanation: Shift each letter forward by one: RAIL  $\rightarrow$  SBJM.

**Q468. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?**

- (A) 16
- (B) 11.4
- (C) 13.4
- (D) 2

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 9^2} = 11.4$  km.

**Q469. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) DOG
- (C) GOD
- (D) EPH

**Answer: D**

Explanation: Shift each letter forward by one: DOG -> EPH.

**Q470. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) TCKN
- (B) RAIL
- (C) LIAR
- (D) SBJM

**Answer: D**

Explanation: Shift each letter forward by one: RAIL -> SBJM.

**Q471. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q472. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) HTAM
- (B) NBUI
- (C) OCVJ
- (D) MATH

**Answer: B**

Explanation: Shift each letter forward by one: MATH -> NBUI.

**Q473. Find the next number: 20, 26, 32, 38, 44, ?**

- (A) 62
- (B) 44
- (C) 50
- (D) 56

**Answer: C**

Explanation: The sequence increases by 6 each time, so the next number is  $44 + 6 = 50$ .

**Q474. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q475. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 9.62
- (B) 4
- (C) 10
- (D) 7.62

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{3^2 + 7^2} = 7.62$  km.

**Q476. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 15
- (B) 11.18
- (C) 5
- (D) 13.18

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 10^2} = 11.18$  km.

**Q477. Find the next number: 13, 21, 29, 37, 45, ?**

- (A) 61
- (B) 45
- (C) 69
- (D) 53

**Answer: D**

Explanation: The sequence increases by 8 each time, so the next number is  $45 + 8 = 53$ .

**Q478. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q479. Find the next number: 13, 16, 19, 22, 25, ?**

- (A) 31
- (B) 25
- (C) 34
- (D) 28

**Answer: D**

Explanation: The sequence increases by 3 each time, so the next number is  $25 + 3 = 28$ .

**Q480. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) TCKN
- (B) SBJM
- (C) LIAR
- (D) RAIL

**Answer: B**

Explanation: Shift each letter forward by one: RAIL → SBJM.

**Q481. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q482. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) CAT
- (B) ECV
- (C) TAC
- (D) DBU

**Answer: D**

Explanation: Shift each letter forward by one: CAT -> DBU.

**Q483. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q484. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q485. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q486. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q487. Find the next number: 3, 5, 7, 9, 11, ?**

- (A) 17
- (B) 11
- (C) 13
- (D) 15

**Answer: C**

Explanation: The sequence increases by 2 each time, so the next number is  $11 + 2 = 13$ .

**Q488. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q489. Find the next number: 5, 13, 21, 29, 37, ?**

- (A) 61
- (B) 37
- (C) 53
- (D) 45

**Answer: D**

Explanation: The sequence increases by 8 each time, so the next number is  $37 + 8 = 45$ .

**Q490. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?**

- (A) 14.04
- (B) 12.04
- (C) 17
- (D) 1

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 8^2} = 12.04$  km.

**Q491. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?**

- (A) 1
- (B) 5.0
- (C) 7
- (D) 7.0

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{3^2 + 4^2} = 5.0$  km.

**Q492. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) FQI
- (B) GOD
- (C) EPH
- (D) DOG

**Answer: C**

Explanation: Shift each letter forward by one: DOG → EPH.

**Q493. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q494. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?**

- (A) 12
- (B) 2
- (C) 10.6
- (D) 8.6

**Answer: D**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 5^2} = 8.6$  km.

**Q495. Find the next number: 4, 6, 8, 10, 12, ?**

- (A) 14
- (B) 16
- (C) 12
- (D) 18

**Answer: A**

Explanation: The sequence increases by 2 each time, so the next number is  $12 + 2 = 14$ .

**Q496. Find the next number: 11, 18, 25, 32, 39, ?**

- (A) 60
- (B) 53
- (C) 39
- (D) 46

**Answer: D**

Explanation: The sequence increases by 7 each time, so the next number is  $39 + 7 = 46$ .

**Q497. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q498. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: B**

Explanation: The wild animals need not be cats.

**Q499. Choose the odd one out.**

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

**Answer: D**

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

**Q500. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q501. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) LIAR
- (B) RAIL
- (C) SBJM
- (D) TCKN

**Answer: C**

Explanation: Shift each letter forward by one: RAIL -> SBJM.

**Q502. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q503. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q504. Find the next number: 15, 18, 21, 24, 27, ?**

- (A) 33
- (B) 30
- (C) 27
- (D) 36

**Answer: B**

Explanation: The sequence increases by 3 each time, so the next number is  $27 + 3 = 30$ .

**Q505. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q506. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) HTAM
- (B) NBUI
- (C) MATH
- (D) OCVJ

**Answer: B**

Explanation: Shift each letter forward by one: MATH → NBUI.

**Q507. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q508. A person walks 9 km north and then 10 km east. What is the straight-line distance from the starting point?**

- (A) 13.45
- (B) 1
- (C) 19
- (D) 15.45

**Answer: A**

Explanation: By Pythagoras, distance =  $\sqrt{9^2 + 10^2} = 13.45$  km.

**Q509. Find the next number: 4, 11, 18, 25, 32, ?**

- (A) 46
- (B) 39
- (C) 32
- (D) 53

**Answer: B**

Explanation: The sequence increases by 7 each time, so the next number is  $32 + 7 = 39$ .

**Q510. Find the next number: 17, 25, 33, 41, 49, ?**

- (A) 57
- (B) 49
- (C) 65
- (D) 73

**Answer: A**

Explanation: The sequence increases by 8 each time, so the next number is  $49 + 8 = 57$ .

**Q511. Find the next number: 7, 15, 23, 31, 39, ?**

- (A) 63
- (B) 55
- (C) 47
- (D) 39

**Answer: C**

Explanation: The sequence increases by 8 each time, so the next number is  $39 + 8 = 47$ .

**Q512. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q513. If each letter is replaced by the next letter of the alphabet, how is MATH coded?**

- (A) OCVJ
- (B) MATH
- (C) NBUI
- (D) HTAM

**Answer: C**

Explanation: Shift each letter forward by one: MATH  $\rightarrow$  NBUI.

**Q514. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?**

- (A) 12.44
- (B) 10.44
- (C) 7
- (D) 13

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{10^2 + 3^2} = 10.44$  km.

**Q515. Find the next number: 16, 24, 32, 40, 48, ?**

- (A) 64
- (B) 48
- (C) 56
- (D) 72

**Answer: C**

Explanation: The sequence increases by 8 each time, so the next number is  $48 + 8 = 56$ .

**Q516. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 2
- (B) 10.6
- (C) 8.6
- (D) 12

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{5^2 + 7^2} = 8.6$  km.

**Q517. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: B**

Explanation: The wild animals need not be cats.

**Q518. Find the next number: 11, 18, 25, 32, 39, ?**

- (A) 53
- (B) 39
- (C) 46
- (D) 60

**Answer: C**

Explanation: The sequence increases by 7 each time, so the next number is  $39 + 7 = 46$ .

**Q519. Find the next number: 20, 27, 34, 41, 48, ?**

- (A) 55
- (B) 69
- (C) 62
- (D) 48

**Answer: A**

Explanation: The sequence increases by 7 each time, so the next number is  $48 + 7 = 55$ .

**Q520. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q521. Find the next number: 14, 19, 24, 29, 34, ?**

- (A) 39
- (B) 34
- (C) 49
- (D) 44

**Answer: A**

Explanation: The sequence increases by 5 each time, so the next number is  $34 + 5 = 39$ .

**Q522. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?**

- (A) 15
- (B) 10.63
- (C) 1
- (D) 12.63

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 8^2} = 10.63$  km.

**Q523. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) CBOL
- (B) DCPM
- (C) BANK
- (D) KNAB

**Answer: A**

Explanation: Shift each letter forward by one: BANK → CBOL.

**Q524. If each letter is replaced by the next letter of the alphabet, how is BANK coded?**

- (A) KNAB
- (B) BANK
- (C) CBOL
- (D) DCPM

**Answer: C**

Explanation: Shift each letter forward by one: BANK → CBOL.

**Q525. Find the next number: 5, 7, 9, 11, 13, ?**

- (A) 15
- (B) 19
- (C) 17
- (D) 13

**Answer: A**

Explanation: The sequence increases by 2 each time, so the next number is  $13 + 2 = 15$ .

**Q526. Find the next number: 18, 22, 26, 30, 34, ?**

- (A) 42
- (B) 34
- (C) 38
- (D) 46

**Answer: C**

Explanation: The sequence increases by 4 each time, so the next number is  $34 + 4 = 38$ .

**Q527. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?**

- (A) 10
- (B) 7.21
- (C) 2
- (D) 9.21

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{4^2 + 6^2} = 7.21$  km.

**Q528. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?**

- (A) 11
- (B) 8.06
- (C) 10.06
- (D) 3

**Answer: B**

Explanation: By Pythagoras, distance =  $\sqrt{4^2 + 7^2} = 8.06$  km.

**Q529. Find the next number: 14, 18, 22, 26, 30, ?**

- (A) 42
- (B) 38
- (C) 34
- (D) 30

**Answer: C**

Explanation: The sequence increases by 4 each time, so the next number is  $30 + 4 = 34$ .

**Q530. Find the next number: 16, 23, 30, 37, 44, ?**

- (A) 58
- (B) 65
- (C) 44
- (D) 51

**Answer: D**

Explanation: The sequence increases by 7 each time, so the next number is  $44 + 7 = 51$ .

**Q531. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: Any figure that is a square cannot be a circle.

**Q532. Find the next number: 7, 11, 15, 19, 23, ?**

- (A) 23
- (B) 31
- (C) 35
- (D) 27

**Answer: D**

Explanation: The sequence increases by 4 each time, so the next number is  $23 + 4 = 27$ .

**Q533. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q534. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?**

- (A) RAIL
- (B) TCKN
- (C) LIAR
- (D) SBJM

**Answer: D**

Explanation: Shift each letter forward by one: RAIL  $\rightarrow$  SBJM.

**Q535. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q536. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: This follows directly by transitivity.

**Q537. If each letter is replaced by the next letter of the alphabet, how is DOG coded?**

- (A) DOG
- (B) GOD
- (C) FQI
- (D) EPH

**Answer: D**

Explanation: Shift each letter forward by one: DOG -> EPH.

**Q538. Choose the odd one out.**

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

**Answer: D**

Explanation: The first three are metals; plastic is not a metal.

**Q539. If each letter is replaced by the next letter of the alphabet, how is CODE coded?**

- (A) EQFG
- (B) EDOC
- (C) CODE
- (D) DPEF

**Answer: D**

Explanation: Shift each letter forward by one: CODE -> DPEF.

**Q540. Choose the odd one out.**

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

**Answer: D**

Explanation: The first three are Indian cities; Nile is a river.

**Q541. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) TAC
- (B) DBU
- (C) CAT
- (D) ECV

**Answer: B**

Explanation: Shift each letter forward by one: CAT -> DBU.

**Q542. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) TAC
- (B) CAT
- (C) DBU
- (D) ECV

**Answer: C**

Explanation: Shift each letter forward by one: CAT -> DBU.

**Q543. Find the next number: 13, 17, 21, 25, 29, ?**

- (A) 41
- (B) 37
- (C) 33
- (D) 29

**Answer: C**

Explanation: The sequence increases by 4 each time, so the next number is  $29 + 4 = 33$ .

**Q544. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: A**

Explanation: The red books are bright, so some books are bright.

**Q545. Choose the odd one out.**

- (A) January
- (B) March
- (C) May
- (D) Monday

**Answer: D**

Explanation: The first three are months; Monday is a day of the week.

**Q546. Choose the odd one out.**

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

**Answer: D**

Explanation: The first three are fruits; carrot is a vegetable.

**Q547. Find the next number: 6, 10, 14, 18, 22, ?**

- (A) 22
- (B) 30
- (C) 34
- (D) 26

**Answer: D**

Explanation: The sequence increases by 4 each time, so the next number is  $22 + 4 = 26$ .

**Q548. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.**

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

**Answer: B**

Explanation: The wild animals need not be cats.

**Q549. If each letter is replaced by the next letter of the alphabet, how is CAT coded?**

- (A) DBU
- (B) CAT
- (C) TAC
- (D) ECV

**Answer: A**

Explanation: Shift each letter forward by one: CAT  $\rightarrow$  DBU.

**Q550. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?**

- (A) 12.63
- (B) 15
- (C) 10.63
- (D) 1

**Answer: C**

Explanation: By Pythagoras, distance =  $\sqrt{7^2 + 8^2} = 10.63$  km.

## General Awareness

**Q551. The currency of Japan is**

- (A) Yuan
- (B) Dollar
- (C) Yen
- (D) Won

**Answer: C**

Explanation: Japan uses the yen.

**Q552. The SI unit of force is**

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

**Answer: C**

Explanation: Force is measured in newtons (N).

**Q553. The longest river entirely within India is**

- (A) Godavari
- (B) Narmada
- (C) Yamuna
- (D) Ganga

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q554. The fundamental unit of life is**

- (A) cell
- (B) tissue
- (C) atom
- (D) organ

**Answer: A**

Explanation: The cell is the basic structural and functional unit of life.

**Q555. The Constitution of India came into force on**

- (A) 2 October 1950
- (B) 26 November 1949
- (C) 15 August 1947
- (D) 26 January 1950

**Answer: D**

Explanation: It came into force on 26 January 1950.

**Q556. Which blood cells primarily carry oxygen?**

- (A) Red blood cells
- (B) Plasma cells
- (C) White blood cells
- (D) Platelets

**Answer: A**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q557. The SI unit of force is**

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

**Answer: A**

Explanation: Force is measured in newtons (N).

**Q558. The fundamental unit of life is**

- (A) organ
- (B) tissue
- (C) atom
- (D) cell

**Answer: D**

Explanation: The cell is the basic structural and functional unit of life.

**Q559. Which blood cells primarily carry oxygen?**

- (A) White blood cells
- (B) Red blood cells
- (C) Plasma cells
- (D) Platelets

**Answer: B**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q560. Photosynthesis mainly occurs in which cell organelle?**

- (A) Chloroplast
- (B) Nucleus
- (C) Mitochondrion
- (D) Ribosome

**Answer: A**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q561. The largest ocean on Earth is**

- (A) Pacific Ocean
- (B) Arctic Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

**Answer: A**

Explanation: The Pacific is Earth's largest ocean.

**Q562. The planet known as the Red Planet is**

- (A) Jupiter
- (B) Mars
- (C) Venus
- (D) Mercury

**Answer: B**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q563. The Constitution of India came into force on**

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 26 November 1949
- (D) 2 October 1950

**Answer: B**

Explanation: It came into force on 26 January 1950.

**Q564. The planet known as the Red Planet is**

- (A) Mercury
- (B) Mars
- (C) Venus
- (D) Jupiter

**Answer: B**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q565. The Parliament of India consists of**

- (A) Lok Sabha only
- (B) Lok Sabha and Rajya Sabha only
- (C) President and Lok Sabha only
- (D) President, Lok Sabha and Rajya Sabha

**Answer: D**

Explanation: Article 79 provides for the President and the two Houses.

**Q566. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Nitrogen
- (C) Hydrogen
- (D) Carbon dioxide

**Answer: B**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q567. The SI unit of force is**

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

**Answer: C**

Explanation: Force is measured in newtons (N).

**Q568. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Carbon dioxide
- (C) Hydrogen
- (D) Nitrogen

**Answer: D**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q569. Which blood cells primarily carry oxygen?**

- (A) Platelets
- (B) Plasma cells
- (C) Red blood cells
- (D) White blood cells

**Answer: C**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q570. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^6$  m/s
- (B)  $3 \times 10^{10}$  m/s
- (C)  $3 \times 10^5$  m/s
- (D)  $3 \times 10^8$  m/s

**Answer: D**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q571. The chemical symbol for sodium is**

- (A) N
- (B) Na
- (C) So
- (D) S

**Answer: B**

Explanation: Na comes from the Latin name natrium.

**Q572. Photosynthesis mainly occurs in which cell organelle?**

- (A) Nucleus
- (B) Chloroplast
- (C) Ribosome
- (D) Mitochondrion

**Answer: B**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q573. The capital of India is**

- (A) Kolkata
- (B) Chennai
- (C) Mumbai
- (D) New Delhi

**Answer: D**

Explanation: New Delhi is the capital of India.

**Q574. Who wrote the Indian national anthem?**

- (A) Subramania Bharati
- (B) Bankim Chandra Chattopadhyay
- (C) Rabindranath Tagore
- (D) Sarojini Naidu

**Answer: C**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q575. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Nitrogen
- (C) Hydrogen
- (D) Carbon dioxide

**Answer: B**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q576. Which blood cells primarily carry oxygen?**

- (A) Plasma cells
- (B) Platelets
- (C) White blood cells
- (D) Red blood cells

**Answer: D**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q577. Who wrote the Indian national anthem?**

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

**Answer: D**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q578. Which blood cells primarily carry oxygen?**

- (A) Red blood cells
- (B) Plasma cells
- (C) White blood cells
- (D) Platelets

**Answer: A**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q579. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^8$  m/s
- (B)  $3 \times 10^6$  m/s
- (C)  $3 \times 10^5$  m/s
- (D)  $3 \times 10^{10}$  m/s

**Answer: A**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q580. The Parliament of India consists of**

- (A) Lok Sabha only
- (B) President and Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha and Rajya Sabha only

**Answer: C**

Explanation: Article 79 provides for the President and the two Houses.

**Q581. The largest ocean on Earth is**

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Arctic Ocean
- (D) Indian Ocean

**Answer: B**

Explanation: The Pacific is Earth's largest ocean.

**Q582. Which gas is most abundant in Earth's atmosphere?**

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Oxygen
- (D) Hydrogen

**Answer: B**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q583. Who wrote the Indian national anthem?**

- (A) Bankim Chandra Chattopadhyay
- (B) Sarojini Naidu
- (C) Rabindranath Tagore
- (D) Subramania Bharati

**Answer: C**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q584. The largest ocean on Earth is**

- (A) Atlantic Ocean
- (B) Arctic Ocean
- (C) Pacific Ocean
- (D) Indian Ocean

**Answer: C**

Explanation: The Pacific is Earth's largest ocean.

**Q585. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^{10}$  m/s
- (B)  $3 \times 10^8$  m/s
- (C)  $3 \times 10^6$  m/s
- (D)  $3 \times 10^5$  m/s

**Answer: B**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q586. Which blood cells primarily carry oxygen?**

- (A) White blood cells
- (B) Platelets
- (C) Plasma cells
- (D) Red blood cells

**Answer: D**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q587. The largest ocean on Earth is**

- (A) Indian Ocean
- (B) Atlantic Ocean
- (C) Arctic Ocean
- (D) Pacific Ocean

**Answer: D**

Explanation: The Pacific is Earth's largest ocean.

**Q588. Who wrote the Indian national anthem?**

- (A) Rabindranath Tagore
- (B) Sarojini Naidu
- (C) Subramania Bharati
- (D) Bankim Chandra Chattopadhyay

**Answer: A**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q589. The SI unit of force is**

- (A) newton
- (B) watt
- (C) pascal
- (D) joule

**Answer: A**

Explanation: Force is measured in newtons (N).

**Q590. The Parliament of India consists of**

- (A) President, Lok Sabha and Rajya Sabha
- (B) President and Lok Sabha only
- (C) Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

**Answer: A**

Explanation: Article 79 provides for the President and the two Houses.

**Q591. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Hydrogen

**Answer: C**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q592. The currency of Japan is**

- (A) Yuan
- (B) Dollar
- (C) Won
- (D) Yen

**Answer: D**

Explanation: Japan uses the yen.

**Q593. The chemical symbol for sodium is**

- (A) S
- (B) So
- (C) Na
- (D) N

**Answer: C**

Explanation: Na comes from the Latin name natrium.

**Q594. The currency of Japan is**

- (A) Won
- (B) Yuan
- (C) Dollar
- (D) Yen

**Answer: D**

Explanation: Japan uses the yen.

**Q595. The capital of India is**

- (A) Kolkata
- (B) Chennai
- (C) New Delhi
- (D) Mumbai

**Answer: C**

Explanation: New Delhi is the capital of India.

**Q596. The longest river entirely within India is**

- (A) Godavari
- (B) Ganga
- (C) Narmada
- (D) Yamuna

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q597. The SI unit of force is**

- (A) pascal
- (B) watt
- (C) joule
- (D) newton

**Answer: D**

Explanation: Force is measured in newtons (N).

**Q598. The currency of Japan is**

- (A) Dollar
- (B) Won
- (C) Yuan
- (D) Yen

**Answer: D**

Explanation: Japan uses the yen.

**Q599. Photosynthesis mainly occurs in which cell organelle?**

- (A) Ribosome
- (B) Chloroplast
- (C) Mitochondrion
- (D) Nucleus

**Answer: B**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q600. The capital of India is**

- (A) Kolkata
- (B) Mumbai
- (C) Chennai
- (D) New Delhi

**Answer: D**

Explanation: New Delhi is the capital of India.

**Q601. The longest river entirely within India is**

- (A) Yamuna
- (B) Narmada
- (C) Godavari
- (D) Ganga

**Answer: C**

Explanation: Godavari is the longest river flowing entirely within India.

**Q602. Which gas is most abundant in Earth's atmosphere?**

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Oxygen
- (D) Hydrogen

**Answer: B**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q603. The largest ocean on Earth is**

- (A) Arctic Ocean
- (B) Atlantic Ocean
- (C) Indian Ocean
- (D) Pacific Ocean

**Answer: D**

Explanation: The Pacific is Earth's largest ocean.

**Q604. The longest river entirely within India is**

- (A) Ganga
- (B) Godavari
- (C) Narmada
- (D) Yamuna

**Answer: B**

Explanation: Godavari is the longest river flowing entirely within India.

**Q605. The chemical symbol for sodium is**

- (A) Na
- (B) S
- (C) N
- (D) So

**Answer: A**

Explanation: Na comes from the Latin name natrium.

**Q606. The largest ocean on Earth is**

- (A) Pacific Ocean
- (B) Arctic Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

**Answer: A**

Explanation: The Pacific is Earth's largest ocean.

**Q607. Photosynthesis mainly occurs in which cell organelle?**

- (A) Nucleus
- (B) Mitochondrion
- (C) Ribosome
- (D) Chloroplast

**Answer: D**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q608. The capital of India is**

- (A) Kolkata
- (B) Chennai
- (C) New Delhi
- (D) Mumbai

**Answer: C**

Explanation: New Delhi is the capital of India.

**Q609. The fundamental unit of life is**

- (A) organ
- (B) atom
- (C) tissue
- (D) cell

**Answer: D**

Explanation: The cell is the basic structural and functional unit of life.

**Q610. The longest river entirely within India is**

- (A) Godavari
- (B) Yamuna
- (C) Narmada
- (D) Ganga

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q611. The Constitution of India came into force on**

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 November 1949

**Answer: A**

Explanation: It came into force on 26 January 1950.

**Q612. The currency of Japan is**

- (A) Yuan
- (B) Dollar
- (C) Yen
- (D) Won

**Answer: C**

Explanation: Japan uses the yen.

**Q613. The SI unit of force is**

- (A) joule
- (B) pascal
- (C) newton
- (D) watt

**Answer: C**

Explanation: Force is measured in newtons (N).

**Q614. The planet known as the Red Planet is**

- (A) Venus
- (B) Mercury
- (C) Mars
- (D) Jupiter

**Answer: C**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q615. The Parliament of India consists of**

- (A) President and Lok Sabha only
- (B) Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha and Rajya Sabha only

**Answer: C**

Explanation: Article 79 provides for the President and the two Houses.

**Q616. The longest river entirely within India is**

- (A) Godavari
- (B) Yamuna
- (C) Narmada
- (D) Ganga

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q617. The chemical symbol for sodium is**

- (A) N
- (B) So
- (C) Na
- (D) S

**Answer: C**

Explanation: Na comes from the Latin name natrium.

**Q618. The Parliament of India consists of**

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

**Answer: B**

Explanation: Article 79 provides for the President and the two Houses.

**Q619. Photosynthesis mainly occurs in which cell organelle?**

- (A) Mitochondrion
- (B) Nucleus
- (C) Ribosome
- (D) Chloroplast

**Answer: D**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q620. The currency of Japan is**

- (A) Dollar
- (B) Won
- (C) Yuan
- (D) Yen

**Answer: D**

Explanation: Japan uses the yen.

**Q621. The largest ocean on Earth is**

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

**Answer: A**

Explanation: The Pacific is Earth's largest ocean.

**Q622. The fundamental unit of life is**

- (A) tissue
- (B) cell
- (C) atom
- (D) organ

**Answer: B**

Explanation: The cell is the basic structural and functional unit of life.

**Q623. The capital of India is**

- (A) Chennai
- (B) Mumbai
- (C) Kolkata
- (D) New Delhi

**Answer: D**

Explanation: New Delhi is the capital of India.

**Q624. The longest river entirely within India is**

- (A) Ganga
- (B) Godavari
- (C) Yamuna
- (D) Narmada

**Answer: B**

Explanation: Godavari is the longest river flowing entirely within India.

**Q625. Photosynthesis mainly occurs in which cell organelle?**

- (A) Chloroplast
- (B) Ribosome
- (C) Nucleus
- (D) Mitochondrion

**Answer: A**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q626. The largest ocean on Earth is**

- (A) Atlantic Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Pacific Ocean

**Answer: D**

Explanation: The Pacific is Earth's largest ocean.

**Q627. The Parliament of India consists of**

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

**Answer: B**

Explanation: Article 79 provides for the President and the two Houses.

**Q628. The planet known as the Red Planet is**

- (A) Venus
- (B) Mercury
- (C) Mars
- (D) Jupiter

**Answer: C**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q629. The currency of Japan is**

- (A) Yen
- (B) Yuan
- (C) Dollar
- (D) Won

**Answer: A**

Explanation: Japan uses the yen.

**Q630. Which blood cells primarily carry oxygen?**

- (A) White blood cells
- (B) Plasma cells
- (C) Red blood cells
- (D) Platelets

**Answer: C**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q631. The fundamental unit of life is**

- (A) atom
- (B) tissue
- (C) organ
- (D) cell

**Answer: D**

Explanation: The cell is the basic structural and functional unit of life.

**Q632. The planet known as the Red Planet is**

- (A) Mercury
- (B) Jupiter
- (C) Mars
- (D) Venus

**Answer: C**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q633. The Parliament of India consists of**

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

**Answer: B**

Explanation: Article 79 provides for the President and the two Houses.

**Q634. The planet known as the Red Planet is**

- (A) Venus
- (B) Mars
- (C) Jupiter
- (D) Mercury

**Answer: B**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q635. The planet known as the Red Planet is**

- (A) Mars
- (B) Venus
- (C) Mercury
- (D) Jupiter

**Answer: A**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q636. The planet known as the Red Planet is**

- (A) Mars
- (B) Venus
- (C) Jupiter
- (D) Mercury

**Answer: A**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q637. Who wrote the Indian national anthem?**

- (A) Bankim Chandra Chattopadhyay
- (B) Sarojini Naidu
- (C) Rabindranath Tagore
- (D) Subramania Bharati

**Answer: C**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q638. The Constitution of India came into force on**

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 November 1949

**Answer: A**

Explanation: It came into force on 26 January 1950.

**Q639. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Hydrogen

**Answer: C**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q640. The longest river entirely within India is**

- (A) Godavari
- (B) Ganga
- (C) Narmada
- (D) Yamuna

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q641. The Constitution of India came into force on**

- (A) 2 October 1950
- (B) 26 January 1950
- (C) 15 August 1947
- (D) 26 November 1949

**Answer: B**

Explanation: It came into force on 26 January 1950.

**Q642. The currency of Japan is**

- (A) Won
- (B) Yuan
- (C) Yen
- (D) Dollar

**Answer: C**

Explanation: Japan uses the yen.

**Q643. The Constitution of India came into force on**

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 26 November 1949

**Answer: B**

Explanation: It came into force on 26 January 1950.

**Q644. The chemical symbol for sodium is**

- (A) N
- (B) Na
- (C) S
- (D) So

**Answer: B**

Explanation: Na comes from the Latin name natrium.

**Q645. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Carbon dioxide
- (C) Hydrogen
- (D) Nitrogen

**Answer: D**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q646. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^6$  m/s
- (B)  $3 \times 10^8$  m/s
- (C)  $3 \times 10^{10}$  m/s
- (D)  $3 \times 10^5$  m/s

**Answer: B**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q647. Photosynthesis mainly occurs in which cell organelle?**

- (A) Chloroplast
- (B) Ribosome
- (C) Mitochondrion
- (D) Nucleus

**Answer: A**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q648. The longest river entirely within India is**

- (A) Narmada
- (B) Yamuna
- (C) Ganga
- (D) Godavari

**Answer: D**

Explanation: Godavari is the longest river flowing entirely within India.

**Q649. The chemical symbol for sodium is**

- (A) S
- (B) So
- (C) N
- (D) Na

**Answer: D**

Explanation: Na comes from the Latin name natrium.

**Q650. The largest ocean on Earth is**

- (A) Indian Ocean
- (B) Pacific Ocean
- (C) Atlantic Ocean
- (D) Arctic Ocean

**Answer: B**

Explanation: The Pacific is Earth's largest ocean.

**Q651. The Constitution of India came into force on**

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 26 January 1950

**Answer: D**

Explanation: It came into force on 26 January 1950.

**Q652. The Constitution of India came into force on**

- (A) 26 January 1950
- (B) 26 November 1949
- (C) 15 August 1947
- (D) 2 October 1950

**Answer: A**

Explanation: It came into force on 26 January 1950.

**Q653. The fundamental unit of life is**

- (A) cell
- (B) tissue
- (C) organ
- (D) atom

**Answer: A**

Explanation: The cell is the basic structural and functional unit of life.

**Q654. The largest ocean on Earth is**

- (A) Arctic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Atlantic Ocean

**Answer: B**

Explanation: The Pacific is Earth's largest ocean.

**Q655. Which blood cells primarily carry oxygen?**

- (A) Platelets
- (B) Plasma cells
- (C) White blood cells
- (D) Red blood cells

**Answer: D**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q656. The currency of Japan is**

- (A) Won
- (B) Dollar
- (C) Yen
- (D) Yuan

**Answer: C**

Explanation: Japan uses the yen.

**Q657. The Constitution of India came into force on**

- (A) 26 November 1949
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 15 August 1947

**Answer: B**

Explanation: It came into force on 26 January 1950.

**Q658. Who wrote the Indian national anthem?**

- (A) Rabindranath Tagore
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Subramania Bharati

**Answer: A**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q659. Photosynthesis mainly occurs in which cell organelle?**

- (A) Chloroplast
- (B) Mitochondrion
- (C) Nucleus
- (D) Ribosome

**Answer: A**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q660. The longest river entirely within India is**

- (A) Ganga
- (B) Yamuna
- (C) Narmada
- (D) Godavari

**Answer: D**

Explanation: Godavari is the longest river flowing entirely within India.

**Q661. The capital of India is**

- (A) Kolkata
- (B) Chennai
- (C) New Delhi
- (D) Mumbai

**Answer: C**

Explanation: New Delhi is the capital of India.

**Q662. The SI unit of force is**

- (A) pascal
- (B) newton
- (C) watt
- (D) joule

**Answer: B**

Explanation: Force is measured in newtons (N).

**Q663. The Constitution of India came into force on**

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 November 1949

**Answer: A**

Explanation: It came into force on 26 January 1950.

**Q664. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^5$  m/s
- (B)  $3 \times 10^8$  m/s
- (C)  $3 \times 10^{10}$  m/s
- (D)  $3 \times 10^6$  m/s

**Answer: B**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q665. The longest river entirely within India is**

- (A) Ganga
- (B) Narmada
- (C) Yamuna
- (D) Godavari

**Answer: D**

Explanation: Godavari is the longest river flowing entirely within India.

**Q666. The fundamental unit of life is**

- (A) organ
- (B) tissue
- (C) cell
- (D) atom

**Answer: C**

Explanation: The cell is the basic structural and functional unit of life.

**Q667. The largest ocean on Earth is**

- (A) Pacific Ocean
- (B) Arctic Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

**Answer: A**

Explanation: The Pacific is Earth's largest ocean.

**Q668. Which blood cells primarily carry oxygen?**

- (A) Plasma cells
- (B) White blood cells
- (C) Platelets
- (D) Red blood cells

**Answer: D**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q669. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^6$  m/s
- (B)  $3 \times 10^8$  m/s
- (C)  $3 \times 10^5$  m/s
- (D)  $3 \times 10^{10}$  m/s

**Answer: B**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q670. The longest river entirely within India is**

- (A) Godavari
- (B) Ganga
- (C) Yamuna
- (D) Narmada

**Answer: A**

Explanation: Godavari is the longest river flowing entirely within India.

**Q671. The capital of India is**

- (A) New Delhi
- (B) Chennai
- (C) Kolkata
- (D) Mumbai

**Answer: A**

Explanation: New Delhi is the capital of India.

**Q672. Which gas is most abundant in Earth's atmosphere?**

- (A) Oxygen
- (B) Nitrogen
- (C) Hydrogen
- (D) Carbon dioxide

**Answer: B**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q673. Who wrote the Indian national anthem?**

- (A) Rabindranath Tagore
- (B) Bankim Chandra Chattopadhyay
- (C) Sarojini Naidu
- (D) Subramania Bharati

**Answer: A**

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

**Q674. The longest river entirely within India is**

- (A) Narmada
- (B) Ganga
- (C) Godavari
- (D) Yamuna

**Answer: C**

Explanation: Godavari is the longest river flowing entirely within India.

**Q675. The planet known as the Red Planet is**

- (A) Mars
- (B) Mercury
- (C) Venus
- (D) Jupiter

**Answer: A**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q676. The fundamental unit of life is**

- (A) tissue
- (B) organ
- (C) atom
- (D) cell

**Answer: D**

Explanation: The cell is the basic structural and functional unit of life.

**Q677. The capital of India is**

- (A) Kolkata
- (B) Mumbai
- (C) New Delhi
- (D) Chennai

**Answer: C**

Explanation: New Delhi is the capital of India.

**Q678. The Constitution of India came into force on**

- (A) 26 November 1949
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 15 August 1947

**Answer: B**

Explanation: It came into force on 26 January 1950.

**Q679. The longest river entirely within India is**

- (A) Ganga
- (B) Yamuna
- (C) Godavari
- (D) Narmada

**Answer: C**

Explanation: Godavari is the longest river flowing entirely within India.

**Q680. The Parliament of India consists of**

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

**Answer: B**

Explanation: Article 79 provides for the President and the two Houses.

**Q681. The SI unit of force is**

- (A) pascal
- (B) newton
- (C) watt
- (D) joule

**Answer: B**

Explanation: Force is measured in newtons (N).

**Q682. Which blood cells primarily carry oxygen?**

- (A) Platelets
- (B) Red blood cells
- (C) Plasma cells
- (D) White blood cells

**Answer: B**

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

**Q683. Photosynthesis mainly occurs in which cell organelle?**

- (A) Mitochondrion
- (B) Ribosome
- (C) Chloroplast
- (D) Nucleus

**Answer: C**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q684. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^5$  m/s
- (B)  $3 \times 10^8$  m/s
- (C)  $3 \times 10^{10}$  m/s
- (D)  $3 \times 10^6$  m/s

**Answer: B**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q685. The Constitution of India came into force on**

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 26 January 1950

**Answer: D**

Explanation: It came into force on 26 January 1950.

**Q686. Photosynthesis mainly occurs in which cell organelle?**

- (A) Nucleus
- (B) Chloroplast
- (C) Mitochondrion
- (D) Ribosome

**Answer: B**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q687. The SI unit of force is**

- (A) watt
- (B) newton
- (C) joule
- (D) pascal

**Answer: B**

Explanation: Force is measured in newtons (N).

**Q688. The chemical symbol for sodium is**

- (A) S
- (B) N
- (C) So
- (D) Na

**Answer: D**

Explanation: Na comes from the Latin name natrium.

**Q689. The capital of India is**

- (A) Mumbai
- (B) Chennai
- (C) New Delhi
- (D) Kolkata

**Answer: C**

Explanation: New Delhi is the capital of India.

**Q690. The SI unit of force is**

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

**Answer: C**

Explanation: Force is measured in newtons (N).

**Q691. The planet known as the Red Planet is**

- (A) Mars
- (B) Mercury
- (C) Jupiter
- (D) Venus

**Answer: A**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q692. The planet known as the Red Planet is**

- (A) Jupiter
- (B) Venus
- (C) Mercury
- (D) Mars

**Answer: D**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q693. The chemical symbol for sodium is**

- (A) Na
- (B) So
- (C) S
- (D) N

**Answer: A**

Explanation: Na comes from the Latin name natrium.

**Q694. The planet known as the Red Planet is**

- (A) Jupiter
- (B) Venus
- (C) Mercury
- (D) Mars

**Answer: D**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q695. Which gas is most abundant in Earth's atmosphere?**

- (A) Nitrogen
- (B) Hydrogen
- (C) Oxygen
- (D) Carbon dioxide

**Answer: A**

Explanation: Nitrogen is about 78% of the atmosphere.

**Q696. The planet known as the Red Planet is**

- (A) Mars
- (B) Jupiter
- (C) Mercury
- (D) Venus

**Answer: A**

Explanation: Mars appears reddish because of iron oxides on its surface.

**Q697. The speed of light in vacuum is approximately**

- (A)  $3 \times 10^{10}$  m/s
- (B)  $3 \times 10^5$  m/s
- (C)  $3 \times 10^8$  m/s
- (D)  $3 \times 10^6$  m/s

**Answer: C**

Explanation: The accepted approximate value is  $3 \times 10^8$  m/s.

**Q698. The SI unit of force is**

- (A) pascal
- (B) newton
- (C) watt
- (D) joule

**Answer: B**

Explanation: Force is measured in newtons (N).

**Q699. Photosynthesis mainly occurs in which cell organelle?**

- (A) Mitochondrion
- (B) Chloroplast
- (C) Ribosome
- (D) Nucleus

**Answer: B**

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

**Q700. The Constitution of India came into force on**

- (A) 26 January 1950
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 November 1949

**Answer: A**

Explanation: It came into force on 26 January 1950.

## General Science

**Q701. Which particle has a negative electric charge?**

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

**Answer: C**

Explanation: Electrons carry negative charge.

**Q702. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Boyle's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q703. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q704. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q705. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q706. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q707. The chemical formula of common salt is**

- (A)  $\text{NaCl}$
- (B)  $\text{KCl}$
- (C)  $\text{Na}_2\text{CO}_3$
- (D)  $\text{CaCO}_3$

**Answer: A**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q708. The chemical formula of common salt is**

- (A)  $\text{CaCO}_3$
- (B)  $\text{Na}_2\text{CO}_3$
- (C)  $\text{NaCl}$
- (D)  $\text{KCl}$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q709. Which particle has a negative electric charge?**

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

**Answer: A**

Explanation: Electrons carry negative charge.

**Q710. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin C

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q711. Which particle has a negative electric charge?**

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

**Answer: C**

Explanation: Electrons carry negative charge.

**Q712. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

**Answer: B**

Explanation: Electrons carry negative charge.

**Q713. The unit of electric power is**

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

**Answer: B**

Explanation: Power is measured in watts.

**Q714. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 14
- (C) 0
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q715. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q716. The unit of electric power is**

- (A) ampere
- (B) watt
- (C) ohm
- (D) volt

**Answer: B**

Explanation: Power is measured in watts.

**Q717. The unit of electric power is**

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

**Answer: C**

Explanation: Power is measured in watts.

**Q718. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q719. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q720. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 1
- (D) 14

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q721. Which particle has a negative electric charge?**

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

**Answer: A**

Explanation: Electrons carry negative charge.

**Q722. The unit of electric power is**

- (A) watt
- (B) ohm
- (C) ampere
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q723. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{NaCl}$
- (C)  $\text{KCl}$
- (D)  $\text{CaCO}_3$

**Answer: B**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q724. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q725. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 0
- (C) 7
- (D) 1

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q726. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q727. The unit of electric power is**

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q728. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q729. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q730. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 7
- (C) 14
- (D) 0

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q731. Which particle has a negative electric charge?**

- (A) proton
- (B) neutron
- (C) alpha particle
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q732. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q733. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q734. The chemical formula of common salt is**

- (A) KCl
- (B) NaCl
- (C)  $\text{Na}_2\text{CO}_3$
- (D)  $\text{CaCO}_3$

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q735. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 7
- (D) 14

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q736. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q737. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q738. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q739. Which particle has a negative electric charge?**

- (A) proton
- (B) electron
- (C) alpha particle
- (D) neutron

**Answer: B**

Explanation: Electrons carry negative charge.

**Q740. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{CaCO}_3$
- (C)  $\text{KCl}$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q741. Which particle has a negative electric charge?**

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q742. Which particle has a negative electric charge?**

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

**Answer: C**

Explanation: Electrons carry negative charge.

**Q743. The unit of electric power is**

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q744. The unit of electric power is**

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

**Answer: C**

Explanation: Power is measured in watts.

**Q745. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Boyle's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q746. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Hooke's law
- (C) Newton's law
- (D) Boyle's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q747. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q748. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q749. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q750. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $9.8 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: A**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q751. The chemical formula of common salt is**

- (A) KCl
- (B) NaCl
- (C) CaCO<sub>3</sub>
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q752. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin C

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q753. The unit of electric power is**

- (A) watt
- (B) volt
- (C) ampere
- (D) ohm

**Answer: A**

Explanation: Power is measured in watts.

**Q754. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 14
- (C) 0
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q755. Acceleration due to gravity near Earth's surface is approximately**

- (A) 9.8 m/s<sup>2</sup>
- (B) 0.98 m/s<sup>2</sup>
- (C) 98 m/s<sup>2</sup>
- (D) 3.0 m/s<sup>2</sup>

**Answer: A**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q756. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Newton's law
- (C) Ohm's law
- (D) Hooke's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q757. The chemical formula of common salt is**

- (A) KCl
- (B)  $\text{Na}_2\text{CO}_3$
- (C) NaCl
- (D)  $\text{CaCO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q758. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin C

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q759. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q760. The chemical formula of common salt is**

- (A) KCl
- (B)  $\text{CaCO}_3$
- (C)  $\text{Na}_2\text{CO}_3$
- (D) NaCl

**Answer: D**

Explanation: Common salt is sodium chloride, NaCl.

**Q761. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 7
- (D) 14

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q762. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Newton's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q763. The unit of electric power is**

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

**Answer: A**

Explanation: Power is measured in watts.

**Q764. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin A

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q765. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 14
- (C) 0
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q766. The unit of electric power is**

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

**Answer: B**

Explanation: Power is measured in watts.

**Q767. The chemical formula of common salt is**

- (A) KCl
- (B)  $\text{Na}_2\text{CO}_3$
- (C) NaCl
- (D)  $\text{CaCO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q768. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q769. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 14
- (C) 0
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q770. Acceleration due to gravity near Earth's surface is approximately**

- (A) 98 m/s<sup>2</sup>
- (B) 0.98 m/s<sup>2</sup>
- (C) 9.8 m/s<sup>2</sup>
- (D) 3.0 m/s<sup>2</sup>

**Answer: C**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q771. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q772. The chemical formula of common salt is**

- (A) KCl
- (B) CaCO<sub>3</sub>
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) NaCl

**Answer: D**

Explanation: Common salt is sodium chloride, NaCl.

**Q773. The unit of electric power is**

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

**Answer: C**

Explanation: Power is measured in watts.

**Q774. The chemical formula of common salt is**

- (A) KCl
- (B) NaCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) CaCO<sub>3</sub>

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q775. The unit of electric power is**

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

**Answer: C**

Explanation: Power is measured in watts.

**Q776. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin A

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q777. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin C

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q778. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Ohm's law
- (C) Newton's law
- (D) Hooke's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q779. The unit of electric power is**

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

**Answer: C**

Explanation: Power is measured in watts.

**Q780. Which particle has a negative electric charge?**

- (A) neutron
- (B) electron
- (C) proton
- (D) alpha particle

**Answer: B**

Explanation: Electrons carry negative charge.

**Q781. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q782. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Boyle's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q783. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 7
- (D) 14

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q784. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q785. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q786. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{CaCO}_3$
- (C)  $\text{KCl}$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q787. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 14
- (C) 1
- (D) 0

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q788. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Newton's law
- (C) Boyle's law
- (D) Hooke's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q789. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q790. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Newton's law
- (C) Hooke's law
- (D) Boyle's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q791. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Hooke's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q792. The chemical formula of common salt is**

- (A) NaCl
- (B) CaCO<sub>3</sub>
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) KCl

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q793. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Newton's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q794. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 1
- (C) 0
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q795. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q796. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 7
- (D) 14

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q797. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q798. The unit of electric power is**

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

**Answer: B**

Explanation: Power is measured in watts.

**Q799. The unit of electric power is**

- (A) ohm
- (B) volt
- (C) ampere
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q800. The chemical formula of common salt is**

- (A) NaCl
- (B) CaCO<sub>3</sub>
- (C) KCl
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q801. The unit of electric power is**

- (A) ohm
- (B) volt
- (C) ampere
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q802. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q803. The chemical formula of common salt is**

- (A) KCl
- (B) Na<sub>2</sub>CO<sub>3</sub>
- (C) NaCl
- (D) CaCO<sub>3</sub>

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q804. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Hooke's law
- (C) Newton's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q805. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q806. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q807. The unit of electric power is**

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q808. The unit of electric power is**

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q809. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q810. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 7
- (C) 1
- (D) 0

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q811. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q812. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q813. The unit of electric power is**

- (A) ohm
- (B) watt
- (C) ampere
- (D) volt

**Answer: B**

Explanation: Power is measured in watts.

**Q814. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{CaCO}_3$
- (C)  $\text{NaCl}$
- (D)  $\text{KCl}$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q815. The unit of electric power is**

- (A) volt
- (B) watt
- (C) ohm
- (D) ampere

**Answer: B**

Explanation: Power is measured in watts.

**Q816. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q817. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q818. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin A

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q819. The unit of electric power is**

- (A) watt
- (B) ampere
- (C) volt
- (D) ohm

**Answer: A**

Explanation: Power is measured in watts.

**Q820. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 14
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q821. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Newton's law
- (C) Hooke's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q822. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

**Answer: C**

Explanation: Electrons carry negative charge.

**Q823. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 7
- (C) 1
- (D) 0

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q824. The chemical formula of common salt is**

- (A) NaCl
- (B) CaCO<sub>3</sub>
- (C) KCl
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q825. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q826. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

**Answer: C**

Explanation: Power is measured in watts.

**Q827. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q828. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin K

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q829. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q830. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q831. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q832. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{CaCO}_3$
- (C)  $\text{NaCl}$
- (D)  $\text{KCl}$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q833. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q834. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin A

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q835. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Hooke's law
- (C) Newton's law
- (D) Boyle's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q836. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q837. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q838. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin A

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q839. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q840. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q841. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin C

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q842. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Hooke's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q843. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 1
- (C) 7
- (D) 0

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q844. The unit of electric power is**

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

**Answer: A**

Explanation: Power is measured in watts.

**Q845. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q846. The chemical formula of common salt is**

- (A) KCl
- (B)  $\text{Na}_2\text{CO}_3$
- (C) NaCl
- (D)  $\text{CaCO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q847. The chemical formula of common salt is**

- (A) NaCl
- (B) KCl
- (C) CaCO<sub>3</sub>
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q848. The chemical formula of common salt is**

- (A) NaCl
- (B) KCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) CaCO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q849. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q850. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 7
- (C) 1
- (D) 14

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q851. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 1
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q852. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin A

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q853. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q854. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q855. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

**Answer: C**

Explanation: Power is measured in watts.

**Q856. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q857. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $9.8 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: A**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q858. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q859. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q860. The chemical formula of common salt is**

- (A) NaCl
- (B) CaCO<sub>3</sub>
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) KCl

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q861. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin C
- (C) Vitamin K
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q862. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q863. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q864. Acceleration due to gravity near Earth's surface is approximately**

- (A) 9.8 m/s<sup>2</sup>
- (B) 3.0 m/s<sup>2</sup>
- (C) 0.98 m/s<sup>2</sup>
- (D) 98 m/s<sup>2</sup>

**Answer: A**

Explanation: Near Earth's surface,  $g$  is approximately 9.8 m/s<sup>2</sup>.

**Q865. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 1
- (C) 0
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q866. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q867. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q868. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q869. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q870. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin K

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q871. The chemical formula of common salt is**

- (A) NaCl
- (B) Na<sub>2</sub>CO<sub>3</sub>
- (C) KCl
- (D) CaCO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q872. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 1
- (C) 0
- (D) 14

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q873. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q874. The chemical formula of common salt is**

- (A) CaCO<sub>3</sub>
- (B) NaCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) KCl

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q875. Acceleration due to gravity near Earth's surface is approximately**

- (A) 0.98 m/s<sup>2</sup>
- (B) 98 m/s<sup>2</sup>
- (C) 3.0 m/s<sup>2</sup>
- (D) 9.8 m/s<sup>2</sup>

**Answer: D**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q876. The unit of electric power is**

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

**Answer: A**

Explanation: Power is measured in watts.

**Q877. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q878. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q879. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Boyle's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q880. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 14
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q881. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q882. The chemical formula of common salt is**

- (A)  $\text{CaCO}_3$
- (B)  $\text{Na}_2\text{CO}_3$
- (C)  $\text{NaCl}$
- (D)  $\text{KCl}$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q883. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q884. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q885. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) electron
- (C) neutron
- (D) proton

**Answer: B**

Explanation: Electrons carry negative charge.

**Q886. The chemical formula of common salt is**

- (A) KCl
- (B)  $\text{Na}_2\text{CO}_3$
- (C) NaCl
- (D)  $\text{CaCO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q887. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q888. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin K
- (D) Vitamin A

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q889. The unit of electric power is**

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

**Answer: A**

Explanation: Power is measured in watts.

**Q890. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q891. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q892. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q893. The unit of electric power is**

- (A) watt
- (B) ohm
- (C) ampere
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q894. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q895. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q896. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q897. Which particle has a negative electric charge?**

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q898. The unit of electric power is**

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q899. Which particle has a negative electric charge?**

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q900. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 1
- (C) 0
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q901. The chemical formula of common salt is**

- (A) NaCl
- (B) KCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) CaCO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q902. The chemical formula of common salt is**

- (A) KCl
- (B) Na<sub>2</sub>CO<sub>3</sub>
- (C) NaCl
- (D) CaCO<sub>3</sub>

**Answer: C**

Explanation: Common salt is sodium chloride, NaCl.

**Q903. The unit of electric power is**

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

**Answer: C**

Explanation: Power is measured in watts.

**Q904. The chemical formula of common salt is**

- (A) NaCl
- (B) Na<sub>2</sub>CO<sub>3</sub>
- (C) KCl
- (D) CaCO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q905. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q906. Acceleration due to gravity near Earth's surface is approximately**

- (A) 3.0 m/s<sup>2</sup>
- (B) 98 m/s<sup>2</sup>
- (C) 0.98 m/s<sup>2</sup>
- (D) 9.8 m/s<sup>2</sup>

**Answer: D**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q907. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q908. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q909. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 14
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q910. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q911. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q912. Which particle has a negative electric charge?**

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

**Answer: C**

Explanation: Electrons carry negative charge.

**Q913. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $98 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q914. The chemical formula of common salt is**

- (A)  $\text{CaCO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{Na}_2\text{CO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q915. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q916. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 1
- (C) 14
- (D) 0

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q917. The unit of electric power is**

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

**Answer: A**

Explanation: Power is measured in watts.

**Q918. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q919. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q920. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q921. The chemical formula of common salt is**

- (A)  $\text{NaCl}$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{Na}_2\text{CO}_3$

**Answer: A**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q922. Which particle has a negative electric charge?**

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

**Answer: C**

Explanation: Electrons carry negative charge.

**Q923. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 7
- (C) 1
- (D) 14

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q924. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q925. Which particle has a negative electric charge?**

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q926. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 14
- (C) 1
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q927. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q928. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Newton's law
- (C) Boyle's law
- (D) Hooke's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q929. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q930. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 0
- (C) 1
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q931. The unit of electric power is**

- (A) volt
- (B) ampere
- (C) ohm
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q932. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q933. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q934. The unit of electric power is**

- (A) ampere
- (B) watt
- (C) ohm
- (D) volt

**Answer: B**

Explanation: Power is measured in watts.

**Q935. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q936. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q937. The chemical formula of common salt is**

- (A) KCl
- (B) NaCl
- (C) CaCO<sub>3</sub>
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q938. Which particle has a negative electric charge?**

- (A) proton
- (B) neutron
- (C) alpha particle
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q939. Acceleration due to gravity near Earth's surface is approximately**

- (A) 9.8 m/s<sup>2</sup>
- (B) 0.98 m/s<sup>2</sup>
- (C) 3.0 m/s<sup>2</sup>
- (D) 98 m/s<sup>2</sup>

**Answer: A**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q940. Acceleration due to gravity near Earth's surface is approximately**

- (A) 9.8 m/s<sup>2</sup>
- (B) 3.0 m/s<sup>2</sup>
- (C) 0.98 m/s<sup>2</sup>
- (D) 98 m/s<sup>2</sup>

**Answer: A**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q941. Which particle has a negative electric charge?**

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q942. The chemical formula of common salt is**

- (A) CaCO<sub>3</sub>
- (B) NaCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) KCl

**Answer: B**

Explanation: Common salt is sodium chloride, NaCl.

**Q943. The unit of electric power is**

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q944. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 1
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q945. The unit of electric power is**

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q946. The unit of electric power is**

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q947. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 14
- (C) 1
- (D) 0

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q948. Which particle has a negative electric charge?**

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

**Answer: B**

Explanation: Electrons carry negative charge.

**Q949. The chemical formula of common salt is**

- (A) NaCl
- (B) KCl
- (C) CaCO<sub>3</sub>
- (D) Na<sub>2</sub>CO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q950. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin D

**Answer: D**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q951. The unit of electric power is**

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

**Answer: B**

Explanation: Power is measured in watts.

**Q952. Acceleration due to gravity near Earth's surface is approximately**

- (A) 3.0 m/s<sup>2</sup>
- (B) 9.8 m/s<sup>2</sup>
- (C) 0.98 m/s<sup>2</sup>
- (D) 98 m/s<sup>2</sup>

**Answer: B**

Explanation: Near Earth's surface, g is approximately 9.8 m/s<sup>2</sup>.

**Q953. The pH of a neutral solution at 25 C is**

- (A) 1
- (B) 0
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q954. The unit of electric power is**

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

**Answer: B**

Explanation: Power is measured in watts.

**Q955. Which particle has a negative electric charge?**

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

**Answer: B**

Explanation: Electrons carry negative charge.

**Q956. The unit of electric power is**

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q957. Which particle has a negative electric charge?**

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

**Answer: A**

Explanation: Electrons carry negative charge.

**Q958. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{NaCl}$
- (C)  $\text{KCl}$
- (D)  $\text{CaCO}_3$

**Answer: B**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q959. The chemical formula of common salt is**

- (A)  $\text{KCl}$
- (B)  $\text{CaCO}_3$
- (C)  $\text{NaCl}$
- (D)  $\text{Na}_2\text{CO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q960. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q961. Which particle has a negative electric charge?**

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

**Answer: B**

Explanation: Electrons carry negative charge.

**Q962. The unit of electric power is**

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q963. The chemical formula of common salt is**

- (A) NaCl
- (B) KCl
- (C) Na<sub>2</sub>CO<sub>3</sub>
- (D) CaCO<sub>3</sub>

**Answer: A**

Explanation: Common salt is sodium chloride, NaCl.

**Q964. The pH of a neutral solution at 25 C is**

- (A) 0
- (B) 1
- (C) 14
- (D) 7

**Answer: D**

Explanation: Neutral water has pH 7 at 25 C.

**Q965. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Newton's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q966. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q967. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q968. The unit of electric power is**

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

**Answer: C**

Explanation: Power is measured in watts.

**Q969. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $0.98 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $3.0 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q970. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 7
- (C) 0
- (D) 1

**Answer: B**

Explanation: Neutral water has pH 7 at 25 C.

**Q971. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q972. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Ohm's law

**Answer: D**

Explanation: Ohm's law gives  $V = IR$ .

**Q973. Which particle has a negative electric charge?**

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

**Answer: D**

Explanation: Electrons carry negative charge.

**Q974. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin K

**Answer: A**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q975. The unit of electric power is**

- (A) watt
- (B) ohm
- (C) ampere
- (D) volt

**Answer: A**

Explanation: Power is measured in watts.

**Q976. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin A

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q977. The chemical formula of common salt is**

- (A)  $\text{CaCO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{Na}_2\text{CO}_3$
- (D)  $\text{NaCl}$

**Answer: D**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q978. Which particle has a negative electric charge?**

- (A) neutron
- (B) electron
- (C) proton
- (D) alpha particle

**Answer: B**

Explanation: Electrons carry negative charge.

**Q979. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q980. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin K

**Answer: B**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q981. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q982. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q983. Which vitamin is synthesized in skin on exposure to sunlight?**

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

**Answer: C**

Explanation: Sunlight helps the skin synthesize vitamin D.

**Q984. The pH of a neutral solution at 25 C is**

- (A) 14
- (B) 1
- (C) 7
- (D) 0

**Answer: C**

Explanation: Neutral water has pH 7 at 25 C.

**Q985. The unit of electric power is**

- (A) volt
- (B) watt
- (C) ohm
- (D) ampere

**Answer: B**

Explanation: Power is measured in watts.

**Q986. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Ohm's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Newton's law

**Answer: A**

Explanation: Ohm's law gives  $V = IR$ .

**Q987. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Newton's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Boyle's law

**Answer: C**

Explanation: Ohm's law gives  $V = IR$ .

**Q988. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $9.8 \text{ m/s}^2$
- (B)  $98 \text{ m/s}^2$
- (C)  $3.0 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: A**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q989. The chemical formula of common salt is**

- (A)  $\text{Na}_2\text{CO}_3$
- (B)  $\text{KCl}$
- (C)  $\text{NaCl}$
- (D)  $\text{CaCO}_3$

**Answer: C**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q990. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 14
- (D) 1

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q991. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $9.8 \text{ m/s}^2$
- (C)  $0.98 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: B**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q992. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $9.8 \text{ m/s}^2$

**Answer: D**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q993. Which particle has a negative electric charge?**

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

**Answer: B**

Explanation: Electrons carry negative charge.

**Q994. Which particle has a negative electric charge?**

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

**Answer: A**

Explanation: Electrons carry negative charge.

**Q995. The pH of a neutral solution at 25 C is**

- (A) 7
- (B) 0
- (C) 1
- (D) 14

**Answer: A**

Explanation: Neutral water has pH 7 at 25 C.

**Q996. Which law states that current is directly proportional to voltage at constant temperature?**

- (A) Boyle's law
- (B) Ohm's law
- (C) Newton's law
- (D) Hooke's law

**Answer: B**

Explanation: Ohm's law gives  $V = IR$ .

**Q997. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $9.8 \text{ m/s}^2$
- (B)  $3.0 \text{ m/s}^2$
- (C)  $98 \text{ m/s}^2$
- (D)  $0.98 \text{ m/s}^2$

**Answer: A**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

**Q998. The unit of electric power is**

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

**Answer: D**

Explanation: Power is measured in watts.

**Q999. The chemical formula of common salt is**

- (A)  $\text{NaCl}$
- (B)  $\text{KCl}$
- (C)  $\text{CaCO}_3$
- (D)  $\text{Na}_2\text{CO}_3$

**Answer: A**

Explanation: Common salt is sodium chloride,  $\text{NaCl}$ .

**Q1000. Acceleration due to gravity near Earth's surface is approximately**

- (A)  $3.0 \text{ m/s}^2$
- (B)  $0.98 \text{ m/s}^2$
- (C)  $9.8 \text{ m/s}^2$
- (D)  $98 \text{ m/s}^2$

**Answer: C**

Explanation: Near Earth's surface,  $g$  is approximately  $9.8 \text{ m/s}^2$ .

## End Note

Use this bank for timed practice, revision, and concept reinforcement. ExamGurux recommends checking the official notification for any change in syllabus, marking scheme, duration, or eligibility.

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