

EXAMGURUX

RRB Technician 2026

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 official notices / latest available Technician syllabus framework

Coverage note: General practice bank aligned to common Technician CBT preparation areas; candidates should verify the exact trade/grade syllabus in the current RRB notice.

Section	Questions
Mathematics	300
General Intelligence & Reasoning	300
General Awareness	200
General Science	200

Mathematics

Q1. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 7.5
- (B) 0
- (C) 225.0
- (D) 15.0

Answer: A

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q2. 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) 14.0
- (C) 6.43
- (D) 8

Answer: C

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q3. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

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

Answer: B

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

Q4. What is 75% of 600?

- (A) 450
- (B) 480.0
- (C) 510.0
- (D) 420.0

Answer: A

Explanation: 75% of 600 = $(75/100) \times 600 = 450$.

Q5. Find the average of 43, 64, 35, 19, 52.

- (A) 40.6
- (B) 53.2
- (C) 42.6
- (D) 44.6

Answer: C

Explanation: Average = sum / count = $213/5 = 42.6$.

Q6. What is 75% of 120?

- (A) 102.0
- (B) 84.0
- (C) 96.0
- (D) 90

Answer: D

Explanation: 75% of 120 = $(75/100) \times 120 = 90$.

Q7. An item costs Rs. 240. At a profit of 20%, what is the selling price?

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

Answer: C

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

Q8. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?

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

Answer: B

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

Q9. Find the average of 27, 17, 36, 11, 47.

- (A) 25.6
- (B) 29.6
- (C) 34.5
- (D) 27.6

Answer: D

Explanation: Average = sum / count = $138/5 = 27.6$.

Q10. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q11. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

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

Answer: C

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

Q12. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 180.0
- (B) 36.0
- (C) 144
- (D) 74

Answer: C

Explanation: Distance = speed x time = $72 \times 2 = 144 \text{ km}$.

Q13. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 63
- (B) 144
- (C) 18
- (D) 81

Answer: A

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q14. What is 12.5% of 250?

- (A) 43.75
- (B) 56.25
- (C) 18.75
- (D) 31.25

Answer: D

Explanation: $12.5\% \text{ of } 250 = (12.5/100) \times 250 = 31.25$.

Q15. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?

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

Answer: A

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

Q16. Find the simple interest on Rs. 1500 at 12% per annum for 2 years.

- (A) 210
- (B) 510
- (C) 360
- (D) 180

Answer: C

Explanation: $SI = PRT/100 = 1500 \times 12 \times 2/100 = \text{Rs. } 360$.

Q17. An item costs Rs. 800. At a profit of 25%, what is the selling price?

- (A) 1000
- (B) 825
- (C) 600.0
- (D) 850

Answer: A

Explanation: Selling price = $800 \times (1 + 25/100) = \text{Rs. } 1000$.

Q18. A can finish a work in 20 days and B in 30 days. In how many days can they finish it together?

- (A) 60.0
- (B) 10
- (C) 25.0
- (D) 12.0

Answer: D

Explanation: Combined rate = $1/20 + 1/30 = (50)/600$; time = $600/50 = 12.0$ days.

Q19. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q20. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

- (A) 240.0
- (B) 210
- (C) 63.5
- (D) 17.14

Answer: B

Explanation: Distance = speed x time = $60 \times 3.5 = 210$ km.

Q21. An item costs Rs. 500. At a profit of 20%, what is the selling price?

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

Answer: A

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

Q22. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 896
- (B) 812
- (C) 704.0
- (D) 824

Answer: A

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q23. Find the average of 60, 23, 38, 68, 32.

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

Answer: B

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

Q24. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

- (A) 9
- (B) 36
- (C) 45
- (D) 81

Answer: B

Explanation: Total parts = 9. One part = $81/9 = 9$; first quantity = $4 \times 9 = 36$.

Q25. A can finish a work in 12 days and B in 20 days. In how many days can they finish it together?

- (A) 8
- (B) 30.0
- (C) 16.0
- (D) 7.5

Answer: D

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

Q26. An item costs Rs. 750. At a profit of 10%, what is the selling price?

- (A) 675.0
- (B) 760
- (C) 770
- (D) 825

Answer: D

Explanation: Selling price = $750 \times (1 + 10/100) = \text{Rs. } 825$.

Q27. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q28. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

- (A) 10
- (B) 20.0
- (C) 15.0
- (D) 6.67

Answer: D

Explanation: Combined rate = $1/10 + 1/20 = (30)/200$; time = $200/30 = 6.67$ days.

Q29. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 352.0
- (B) 424
- (C) 412
- (D) 448

Answer: D

Explanation: Selling price = $400 \times (1 + 12/100) = \text{Rs. } 448$.

Q30. Find the average of 24, 77, 13, 35, 69.

- (A) 54.5
- (B) 43.6
- (C) 41.6
- (D) 45.6

Answer: B

Explanation: Average = sum / count = $218/5 = 43.6$.

Q31. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 14
- (B) 17.0
- (C) 7.06
- (D) 17.14

Answer: C

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q32. Two quantities are in the ratio 3:5. If their total is 80, what is the first quantity?

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

Answer: A

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

Q33. What is 12.5% of 150?

- (A) 11.25
- (B) 18.75
- (C) 26.25
- (D) 33.75

Answer: B

Explanation: 12.5% of 150 = $(12.5/100) \times 150 = 18.75$.

Q34. An item costs Rs. 320. At a profit of 10%, what is the selling price?

- (A) 288.0
- (B) 340
- (C) 330
- (D) 352

Answer: D

Explanation: Selling price = $320 \times (1 + 10/100) = \text{Rs. } 352$.

Q35. Find the simple interest on Rs. 4000 at 5% per annum for 2 years.

- (A) 400
- (B) 200
- (C) 800
- (D) 1

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 5 \times 2/100 = \text{Rs. } 400$.

Q36. Find the average of 33, 20, 74, 61, 22.

- (A) 52.5
- (B) 42
- (C) 44
- (D) 40

Answer: B

Explanation: Average = sum / count = $210/5 = 42$.

Q37. Find the average of 44, 32, 31, 39, 76.

- (A) 46.4
- (B) 55.5
- (C) 42.4
- (D) 44.4

Answer: D

Explanation: Average = sum / count = $222/5 = 44.4$.

Q38. What is 50% of 300?

- (A) 150
- (B) 180.0
- (C) 165.0
- (D) 135.0

Answer: A

Explanation: 50% of 300 = $(50/100) \times 300 = 150$.

Q39. An item costs Rs. 400. At a profit of 20%, what is the selling price?

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

Answer: D

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

Q40. An item costs Rs. 800. At a profit of 10%, what is the selling price?

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

Answer: C

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

Q41. A can finish a work in 10 days and B in 30 days. In how many days can they finish it together?

- (A) 7.5
- (B) 20.0
- (C) 20
- (D) 15.0

Answer: A

Explanation: Combined rate = $1/10 + 1/30 = (40)/300$; time = $300/40 = 7.5$ days.

Q42. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

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

Answer: C

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

Q43. An item costs Rs. 600. At a profit of 20%, what is the selling price?

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

Answer: C

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

Q44. Find the simple interest on Rs. 3000 at 6% per annum for 2 years.

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

Answer: A

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

Q45. What is 10% of 240?

- (A) 48.0
- (B) 12.0
- (C) 24
- (D) 36.0

Answer: C

Explanation: $10\% \text{ of } 240 = (10/100) \times 240 = 24$.

Q46. Two quantities are in the ratio 4:5. If their total is 99, what is the first quantity?

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

Answer: D

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

Q47. A can finish a work in 8 days and B in 30 days. In how many days can they finish it together?

- (A) 22
- (B) 19.0
- (C) 6.32
- (D) 10.91

Answer: C

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32$ days.

Q48. What is 50% of 150?

- (A) 75
- (B) 90.0
- (C) 82.5
- (D) 67.5

Answer: A

Explanation: $50\% \text{ of } 150 = (50/100) \times 150 = 75$.

Q49. Find the average of 52, 31, 72, 68, 55.

- (A) 69.5
- (B) 57.6
- (C) 53.6
- (D) 55.6

Answer: D

Explanation: Average = sum / count = $278/5 = 55.6$.

Q50. Find the average of 16, 59, 15, 52, 44.

- (A) 39.2
- (B) 46.5
- (C) 37.2
- (D) 35.2

Answer: C

Explanation: Average = sum / count = $186/5 = 37.2$.

Q51. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 212.5
- (B) 280
- (C) 287.5
- (D) 265

Answer: C

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q52. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

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

Answer: B

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

Q53. Find the average of 33, 28, 68, 33, 14.

- (A) 44.0
- (B) 33.2
- (C) 37.2
- (D) 35.2

Answer: D

Explanation: Average = sum / count = $176/5 = 35.2$.

Q54. Find the average of 58, 18, 12, 65, 58.

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

Answer: C

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

Q55. Find the average of 19, 24, 53, 26, 35.

- (A) 29.4
- (B) 31.4
- (C) 33.4
- (D) 39.2

Answer: B

Explanation: Average = sum / count = $157/5 = 31.4$.

Q56. What is 15% of 160?

- (A) 40.0
- (B) 24
- (C) 32.0
- (D) 16.0

Answer: B

Explanation: 15% of 160 = $(15/100) \times 160 = 24$.

Q57. A can finish a work in 12 days and B in 30 days. In how many days can they finish it together?

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

Answer: A

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

Q58. What is 20% of 800?

- (A) 200.0
- (B) 240.0
- (C) 160
- (D) 120.0

Answer: C

Explanation: 20% of 800 = $(20/100) \times 800 = 160$.

Q59. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

- (A) 5
- (B) 6.0
- (C) 30.0
- (D) 12.5

Answer: B

Explanation: Combined rate = $1/10 + 1/15 = (25)/150$; time = $150/25 = 6.0$ days.

Q60. What is 60% of 480?

- (A) 312.0
- (B) 288
- (C) 336.0
- (D) 264.0

Answer: B

Explanation: 60% of 480 = $(60/100) \times 480 = 288$.

Q61. Two quantities are in the ratio 3:4. If their total is 105, what is the first quantity?

- (A) 105
- (B) 45
- (C) 15
- (D) 60

Answer: B

Explanation: Total parts = 7. One part = $105/7 = 15$; first quantity = $3 \times 15 = 45$.

Q62. An item costs Rs. 500. At a profit of 10%, what is the selling price?

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

Answer: A

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

Q63. Find the simple interest on Rs. 2000 at 6% per annum for 3 years.

- (A) 560
- (B) 360
- (C) 160
- (D) 120

Answer: B

Explanation: $SI = PRT/100 = 2000 \times 6 \times 3/100 = \text{Rs. } 360$.

Q64. 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 = $54 \times 2 = 108 \text{ km}$.

Q65. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q66. An item costs Rs. 750. At a profit of 10%, what is the selling price?

- (A) 825
- (B) 770
- (C) 675.0
- (D) 760

Answer: A

Explanation: Selling price = $750 \times (1 + 10/100) = \text{Rs. } 825$.

Q67. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

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

Answer: D

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

Q68. What is 50% of 300?

- (A) 165.0
- (B) 135.0
- (C) 150
- (D) 180.0

Answer: C

Explanation: 50% of 300 = $(50/100) \times 300 = 150$.

Q69. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

- (A) 85
- (B) 34
- (C) 119
- (D) 204

Answer: A

Explanation: Total parts = 12. One part = $204/12 = 17$; first quantity = $5 \times 17 = 85$.

Q70. An item costs Rs. 750. At a profit of 15%, what is the selling price?

- (A) 637.5
- (B) 780
- (C) 765
- (D) 862.5

Answer: D

Explanation: Selling price = $750 \times (1 + 15/100) = \text{Rs. } 862.5$.

Q71. 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) 0
- (C) 10.0
- (D) 400.0

Answer: C

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

Q72. What is 25% of 360?

- (A) 72.0
- (B) 108.0
- (C) 126.0
- (D) 90

Answer: D

Explanation: 25% of 360 = $(25/100) \times 360 = 90$.

Q73. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

- (A) 150
- (B) 450
- (C) 700
- (D) 200

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 6 \times 3}{100} = \text{Rs. } 450.$

Q74. Two quantities are in the ratio 5:7. If their total is 144, what is the first quantity?

- (A) 24
- (B) 60
- (C) 84
- (D) 144

Answer: B

Explanation: Total parts = 12. One part = $144/12 = 12$; first quantity = $5 \times 12 = 60.$

Q75. Find the average of 24, 24, 25, 20, 67.

- (A) 30
- (B) 34
- (C) 40.0
- (D) 32

Answer: D

Explanation: Average = sum / count = $160/5 = 32.$

Q76. What is 50% of 600?

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

Answer: C

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

Q77. An item costs Rs. 320. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q78. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q79. What is 50% of 120?

- (A) 66.0
- (B) 54.0
- (C) 60
- (D) 72.0

Answer: C

Explanation: 50% of 120 = $(50/100) \times 120 = 60$.

Q80. Find the average of 69, 57, 67, 11, 37.

- (A) 46.2
- (B) 50.2
- (C) 48.2
- (D) 60.2

Answer: C

Explanation: Average = sum / count = $241/5 = 48.2$.

Q81. An item costs Rs. 600. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q82. Find the simple interest on Rs. 3000 at 12% per annum for 4 years.

- (A) 360
- (B) 1140
- (C) 1740
- (D) 1440

Answer: D

Explanation: SI = $PRT/100 = 3000 \times 12 \times 4/100 = \text{Rs. } 1440$.

Q83. A can finish a work in 8 days and B in 30 days. In how many days can they finish it together?

- (A) 19.0
- (B) 22
- (C) 6.32
- (D) 10.91

Answer: C

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32$ days.

Q84. 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) 400.0
- (C) 10.0
- (D) 0

Answer: C

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

Q85. Find the simple interest on Rs. 2000 at 8% per annum for 3 years.

- (A) 680
- (B) 160
- (C) 280
- (D) 480

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 8 \times 3}{100} = \text{Rs. } 480.$

Q86. Find the average of 43, 71, 55, 78, 22.

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

Answer: A

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

Q87. Find the average of 61, 16, 26, 31, 52.

- (A) 37.2
- (B) 35.2
- (C) 46.5
- (D) 39.2

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{186}{5} = 37.2.$

Q88. An item costs Rs. 750. At a profit of 25%, what is the selling price?

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

Answer: D

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

Q89. What is 50% of 180?

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

Answer: B

Explanation: $50\% \text{ of } 180 = (\frac{50}{100}) \times 180 = 90.$

Q90. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: C

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

Q91. Two quantities are in the ratio 5:7. If their total is 48, what is the first quantity?

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

Answer: C

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

Q92. What is 25% of 400?

- (A) 80.0
- (B) 120.0
- (C) 100
- (D) 140.0

Answer: C

Explanation: $25\% \text{ of } 400 = (25/100) \times 400 = 100$.

Q93. Two quantities are in the ratio 2:3. If their total is 90, what is the first quantity?

- (A) 18
- (B) 90
- (C) 54
- (D) 36

Answer: D

Explanation: Total parts = 5. One part = $90/5 = 18$; first quantity = $2 \times 18 = 36$.

Q94. An item costs Rs. 320. At a profit of 25%, what is the selling price?

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

Answer: C

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

Q95. What is 20% of 150?

- (A) 22.5
- (B) 45.0
- (C) 37.5
- (D) 30

Answer: D

Explanation: $20\% \text{ of } 150 = (20/100) \times 150 = 30$.

Q96. Find the average of 35, 47, 21, 47, 72.

- (A) 46.4
- (B) 42.4
- (C) 44.4
- (D) 55.5

Answer: C

Explanation: Average = sum / count = $222/5 = 44.4$.

Q97. Find the simple interest on Rs. 1200 at 12% per annum for 3 years.

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

Answer: C

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

Q98. What is 35% of 360?

- (A) 108.0
- (B) 126
- (C) 144.0
- (D) 162.0

Answer: B

Explanation: $35\% \text{ of } 360 = \frac{35}{100} \times 360 = 126.$

Q99. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 108
- (B) 45
- (C) 63
- (D) 18

Answer: B

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45.$

Q100. An item costs Rs. 200. At a profit of 12%, what is the selling price?

- (A) 212
- (B) 176.0
- (C) 573
- (D) 224

Answer: D

Explanation: Selling price = $200 \times (1 + \frac{12}{100}) = \text{Rs. } 224.$

Q101. Find the simple interest on Rs. 2000 at 5% per annum for 2 years.

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

Answer: A

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

Q102. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

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

Answer: D

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

Q103. An item costs Rs. 750. At a profit of 10%, what is the selling price?

- (A) 825
- (B) 760
- (C) 675.0
- (D) 770

Answer: A

Explanation: Selling price = $750 \times (1 + 10/100) = \text{Rs. } 825$.

Q104. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 36
- (B) 9
- (C) 63
- (D) 27

Answer: D

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27$.

Q105. Find the average of 33, 39, 40, 24, 55.

- (A) 40.2
- (B) 47.8
- (C) 36.2
- (D) 38.2

Answer: D

Explanation: Average = sum / count = $191/5 = 38.2$.

Q106. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 360
- (B) 390
- (C) 330
- (D) 210.0

Answer: B

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q107. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 160
- (C) 180.0
- (D) 44

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 4 = 160$ km.

Q108. 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) 16.0
- (C) 6.0
- (D) 16

Answer: C

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

Q109. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 525.0
- (B) 810
- (C) 780
- (D) 975

Answer: D

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q110. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q111. What is 75% of 450?

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

Answer: A

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

Q112. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 160.0
- (B) 43.5
- (C) 140
- (D) 11.43

Answer: C

Explanation: Distance = speed $\times$ time = $40 \times 3.5 = 140 \text{ km}$.

Q113. Find the simple interest on Rs. 1000 at 10% per annum for 2 years.

- (A) 149
- (B) 200
- (C) 100
- (D) 300

Answer: B

Explanation: $SI = PRT/100 = 1000 \times 10 \times 2/100 = \text{Rs. } 200$.

Q114. An item costs Rs. 500. At a profit of 20%, what is the selling price?

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

Answer: C

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

Q115. An item costs Rs. 750. At a profit of 25%, what is the selling price?

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

Answer: D

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

Q116. An item costs Rs. 250. At a profit of 30%, what is the selling price?

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

Answer: B

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

Q117. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q118. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 36.0
- (B) 144
- (C) 180.0
- (D) 74

Answer: B

Explanation: Distance = speed $\times$ time = $72 \times 2 = 144$ km.

Q119. Find the simple interest on Rs. 3000 at 5% per annum for 3 years.

- (A) 450
- (B) 150
- (C) 750
- (D) 110

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 3}{100} = \text{Rs. } 450$.

Q120. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

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

Answer: C

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

Q121. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 9.23
- (B) 19.5
- (C) 9
- (D) 40.0

Answer: A

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q122. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

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

Answer: B

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

Q123. Two quantities are in the ratio 5:7. If their total is 192, what is the first quantity?

- (A) 80
- (B) 32
- (C) 112
- (D) 192

Answer: A

Explanation: Total parts = 12. One part = $192/12 = 16$; first quantity = $5 \times 16 = 80$.

Q124. What is 75% of 160?

- (A) 112.0
- (B) 120
- (C) 136.0
- (D) 128.0

Answer: B

Explanation: 75% of 160 = $(75/100) \times 160 = 120$.

Q125. An item costs Rs. 400. At a profit of 10%, what is the selling price?

- (A) 360.0
- (B) 440
- (C) 410
- (D) 420

Answer: B

Explanation: Selling price = $400 \times (1 + 10/100) = \text{Rs. } 440$.

Q126. What is 30% of 200?

- (A) 70.0
- (B) 60
- (C) 80.0
- (D) 50.0

Answer: B

Explanation: 30% of 200 = $(30/100) \times 200 = 60$.

Q127. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

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

Answer: C

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

Q128. Two quantities are in the ratio 4:5. If their total is 108, what is the first quantity?

- (A) 48
- (B) 60
- (C) 12
- (D) 108

Answer: A

Explanation: Total parts = 9. One part = $108/9 = 12$; first quantity = $4 \times 12 = 48$.

Q129. Find the average of 27, 65, 13, 28, 45.

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

Answer: B

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

Q130. An item costs Rs. 500. At a profit of 25%, what is the selling price?

- (A) 525
- (B) 550
- (C) 375.0
- (D) 625

Answer: D

Explanation: Selling price = $500 \times (1 + 25/100) = \text{Rs. } 625$.

Q131. An item costs Rs. 500. At a profit of 12%, what is the selling price?

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

Answer: A

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

Q132. 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.

Q133. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 17.14
- (B) 5.22
- (C) 11.5
- (D) 7

Answer: B

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{15} = \frac{23}{120}$; time = $\frac{120}{23} = 5.22$ days.

Q134. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 34
- (B) 7.5
- (C) 135.0
- (D) 120

Answer: D

Explanation: Distance = speed x time = $30 \times 4 = 120$ km.

Q135. An item costs Rs. 800. At a profit of 25%, what is the selling price?

- (A) 1000
- (B) 825
- (C) 600.0
- (D) 850

Answer: A

Explanation: Selling price = $800 \times (1 + \frac{25}{100}) = \text{Rs. } 1000$.

Q136. Two quantities are in the ratio 7:9. If their total is 272, what is the first quantity?

- (A) 34
- (B) 119
- (C) 153
- (D) 272

Answer: B

Explanation: Total parts = 16. One part = $\frac{272}{16} = 17$; first quantity = $7 \times 17 = 119$.

Q137. An item costs Rs. 240. At a profit of 10%, what is the selling price?

- (A) 250
- (B) 264
- (C) 260
- (D) 216.0

Answer: B

Explanation: Selling price = $240 \times (1 + \frac{10}{100}) = \text{Rs. } 264$.

Q138. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

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

Answer: D

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

Q139. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 42
- (B) 70
- (C) 112
- (D) 28

Answer: A

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q140. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?

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

Answer: A

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

Q141. 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) 16.5
- (C) 8.18
- (D) 270.0

Answer: C

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

Q142. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q143. What is 5% of 160?

- (A) 8
- (B) 24.0
- (C) 16.0
- (D) 0

Answer: A

Explanation: 5% of 160 = $(5/100) \times 160 = 8$.

Q144. What is 60% of 450?

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

Answer: A

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

Q145. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

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

Answer: C

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

Q146. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

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

Answer: A

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

Q147. Find the average of 80, 65, 43, 59, 29.

- (A) 69.0
- (B) 53.2
- (C) 57.2
- (D) 55.2

Answer: D

Explanation: Average = sum / count = $276/5 = 55.2$.

Q148. Find the average of 73, 11, 11, 43, 49.

- (A) 37.4
- (B) 46.8
- (C) 39.4
- (D) 35.4

Answer: A

Explanation: Average = sum / count = $187/5 = 37.4$.

Q149. Two quantities are in the ratio 7:9. If their total is 240, what is the first quantity?

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

Answer: B

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

Q150. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 160
- (C) 180.0
- (D) 44

Answer: B

Explanation: Distance = speed x time = $40 \times 4 = 160$ km.

Q151. What is 75% of 180?

- (A) 126.0
- (B) 153.0
- (C) 144.0
- (D) 135

Answer: D

Explanation: $75\% \text{ of } 180 = (75/100) \times 180 = 135.$

Q152. Find the average of 72, 39, 77, 60, 72.

- (A) 66
- (B) 62
- (C) 80.0
- (D) 64

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 320/5 = 64.$

Q153. What is 75% of 150?

- (A) 112.5
- (B) 120.0
- (C) 127.5
- (D) 105.0

Answer: A

Explanation: $75\% \text{ of } 150 = (75/100) \times 150 = 112.5.$

Q154. What is 5% of 450?

- (A) 67.5
- (B) 45.0
- (C) 0
- (D) 22.5

Answer: D

Explanation: $5\% \text{ of } 450 = (5/100) \times 450 = 22.5.$

Q155. Two quantities are in the ratio 3:4. If their total is 91, what is the first quantity?

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

Answer: D

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

Q156. What is 30% of 600?

- (A) 210.0
- (B) 150.0
- (C) 180
- (D) 240.0

Answer: C

Explanation: $30\% \text{ of } 600 = (30/100) \times 600 = 180.$

Q157. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?

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

Answer: A

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

Q158. An item costs Rs. 200. At a profit of 15%, what is the selling price?

- (A) 215
- (B) 170.0
- (C) 466
- (D) 230

Answer: D

Explanation: Selling price = $200 \times (1 + 15/100) = \text{Rs. } 230$.

Q159. What is 5% of 500?

- (A) 50.0
- (B) 0
- (C) 75.0
- (D) 25

Answer: D

Explanation: 5% of 500 = $(5/100) \times 500 = 25$.

Q160. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 540.0
- (B) 660
- (C) 610
- (D) 620

Answer: B

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q161. Find the average of 47, 51, 41, 25, 61.

- (A) 43
- (B) 45
- (C) 56.2
- (D) 47

Answer: B

Explanation: Average = sum / count = $225/5 = 45$.

Q162. What is 50% of 400?

- (A) 180.0
- (B) 200
- (C) 240.0
- (D) 220.0

Answer: B

Explanation: 50% of 400 = $(50/100) \times 400 = 200$.

Q163. Find the average of 60, 57, 25, 58, 19.

- (A) 43.8
- (B) 41.8
- (C) 54.8
- (D) 45.8

Answer: A

Explanation: Average = sum / count = $219/5 = 43.8$.

Q164. What is 10% of 400?

- (A) 40
- (B) 20.0
- (C) 80.0
- (D) 60.0

Answer: A

Explanation: 10% of 400 = $(10/100) \times 400 = 40$.

Q165. Find the simple interest on Rs. 1000 at 5% per annum for 4 years.

- (A) 300
- (B) 100
- (C) 200
- (D) 50

Answer: C

Explanation: SI = $PRT/100 = 1000 \times 5 \times 4/100 = \text{Rs. } 200$.

Q166. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

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

Answer: C

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

Q167. An item costs Rs. 320. At a profit of 10%, what is the selling price?

- (A) 352
- (B) 340
- (C) 288.0
- (D) 330

Answer: A

Explanation: Selling price = $320 \times (1 + 10/100) = \text{Rs. } 352$.

Q168. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 17.14
- (B) 5.22
- (C) 11.5
- (D) 7

Answer: B

Explanation: Combined rate = $1/8 + 1/15 = (23)/120$; time = $120/23 = 5.22 \text{ days}$.

Q169. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

- (A) 0
- (B) 12.0
- (C) 6.0
- (D) 144.0

Answer: C

Explanation: Combined rate = $1/12 + 1/12 = (24)/144$; time = $144/24 = 6.0$ days.

Q170. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

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

Answer: B

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

Q171. Find the average of 51, 70, 39, 12, 18.

- (A) 36
- (B) 38
- (C) 40
- (D) 47.5

Answer: B

Explanation: Average = sum / count = $190/5 = 38$.

Q172. Two quantities are in the ratio 7:9. If their total is 272, what is the first quantity?

- (A) 34
- (B) 153
- (C) 272
- (D) 119

Answer: D

Explanation: Total parts = 16. One part = $272/16 = 17$; first quantity = $7 \times 17 = 119$.

Q173. An item costs Rs. 300. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q174. An item costs Rs. 300. At a profit of 12%, what is the selling price?

- (A) 336
- (B) 264.0
- (C) 324
- (D) 312

Answer: A

Explanation: Selling price = $300 \times (1 + 12/100) = \text{Rs. } 336$.

Q175. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 160
- (C) 180.0
- (D) 44

Answer: B

Explanation: Distance = speed x time = $40 \times 4 = 160$ km.

Q176. An item costs Rs. 600. At a profit of 12%, what is the selling price?

- (A) 672
- (B) 624
- (C) 612
- (D) 528.0

Answer: A

Explanation: Selling price = $600 \times (1 + 12/100) = \text{Rs. } 672$.

Q177. An item costs Rs. 250. At a profit of 25%, what is the selling price?

- (A) 300
- (B) 187.5
- (C) 275
- (D) 312.5

Answer: D

Explanation: Selling price = $250 \times (1 + 25/100) = \text{Rs. } 312.5$.

Q178. What is 10% of 600?

- (A) 90.0
- (B) 60
- (C) 120.0
- (D) 30.0

Answer: B

Explanation: 10% of 600 = $(10/100) \times 600 = 60$.

Q179. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?

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

Answer: A

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

Q180. Find the average of 17, 55, 70, 65, 41.

- (A) 49.6
- (B) 62.0
- (C) 47.6
- (D) 51.6

Answer: A

Explanation: Average = sum / count = $248/5 = 49.6$.

Q181. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q182. 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) 15
- (C) 22.5
- (D) 10.0

Answer: D

Explanation: Combined rate = $1/15 + 1/30 = (45)/450$; time = $450/45 = 10.0$ days.

Q183. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 540.0
- (B) 660
- (C) 610
- (D) 620

Answer: B

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q184. What is 35% of 450?

- (A) 135.0
- (B) 180.0
- (C) 157.5
- (D) 202.5

Answer: C

Explanation: 35% of 450 = $(35/100) \times 450 = 157.5$.

Q185. Find the average of 54, 38, 42, 54, 78.

- (A) 55.2
- (B) 53.2
- (C) 51.2
- (D) 66.5

Answer: B

Explanation: Average = sum / count = $266/5 = 53.2$.

Q186. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 300
- (B) 312
- (C) 168.0
- (D) 270

Answer: B

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312$.

Q187. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

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

Answer: A

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

Q188. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

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

Answer: B

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

Q189. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 68
- (B) 153
- (C) 17
- (D) 85

Answer: A

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q190. Find the simple interest on Rs. 5000 at 10% per annum for 2 years.

- (A) 1000
- (B) 500
- (C) 47
- (D) 1500

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 10 \times 2/100 = \text{Rs. } 1000$.

Q191. Find the average of 22, 12, 23, 52, 58.

- (A) 31.4
- (B) 35.4
- (C) 33.4
- (D) 41.8

Answer: C

Explanation: Average = sum / count = $167/5 = 33.4$.

Q192. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.

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

Answer: A

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

Q193. What is 10% of 150?

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

Answer: A

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

Q194. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q195. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?

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

Answer: D

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

Q196. A vehicle travels at 60 km/h for 4 hours. What distance does it cover?

- (A) 270.0
- (B) 15.0
- (C) 240
- (D) 64

Answer: C

Explanation: Distance = speed $\times$ time = $60 \times 4 = 240$ km.

Q197. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

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

Answer: A

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

Q198. What is 5% of 600?

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

Answer: C

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

Q199. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 15.43
- (B) 216.0
- (C) 189
- (D) 57.5

Answer: C

Explanation: Distance = speed x time = $54 \times 3.5 = 189$ km.

Q200. Find the average of 38, 30, 21, 78, 15.

- (A) 45.5
- (B) 38.4
- (C) 34.4
- (D) 36.4

Answer: D

Explanation: Average = sum / count = $182/5 = 36.4$.

Q201. An item costs Rs. 240. At a profit of 20%, what is the selling price?

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

Answer: D

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

Q202. Find the average of 11, 58, 52, 50, 39.

- (A) 44
- (B) 42
- (C) 40
- (D) 52.5

Answer: B

Explanation: Average = sum / count = $210/5 = 42$.

Q203. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 270
- (B) 312
- (C) 168.0
- (D) 300

Answer: B

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312$.

Q204. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

- (A) 288
- (B) 72
- (C) 168
- (D) 408

Answer: A

Explanation: SI = $PRT/100 = 1200 \times 6 \times 4/100 = \text{Rs. } 288$.

Q205. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?

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

Answer: A

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

Q206. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 84
- (B) 36
- (C) 48
- (D) 12

Answer: B

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q207. Find the average of 68, 52, 11, 13, 70.

- (A) 44.8
- (B) 53.5
- (C) 40.8
- (D) 42.8

Answer: D

Explanation: Average = sum / count = $214/5 = 42.8$.

Q208. Find the average of 77, 34, 44, 33, 38.

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

Answer: D

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

Q209. A can finish a work in 8 days and B in 30 days. In how many days can they finish it together?

- (A) 22
- (B) 19.0
- (C) 6.32
- (D) 10.91

Answer: C

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32$ days.

Q210. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 17.14
- (B) 17.0
- (C) 14
- (D) 7.06

Answer: D

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q211. What is 40% of 250?

- (A) 100
- (B) 125.0
- (C) 87.5
- (D) 112.5

Answer: A

Explanation: $40\% \text{ of } 250 = (40/100) \times 250 = 100.$

Q212. Find the simple interest on Rs. 3000 at 10% per annum for 4 years.

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

Answer: A

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

Q213. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

- (A) 14
- (B) 4.62
- (C) 13.0
- (D) 8.57

Answer: B

Explanation: Combined rate = $1/6 + 1/20 = (26)/120$; time = $120/26 = 4.62$ days.

Q214. An item costs Rs. 400. At a profit of 15%, what is the selling price?

- (A) 340.0
- (B) 415
- (C) 430
- (D) 460

Answer: D

Explanation: Selling price = $400 \times (1 + 15/100) = \text{Rs. } 460.$

Q215. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 160
- (C) 180.0
- (D) 44

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 4 = 160$ km.

Q216. Find the simple interest on Rs. 2500 at 5% per annum for 3 years.

- (A) 203
- (B) 375
- (C) 125
- (D) 625

Answer: B

Explanation: $SI = PRT/100 = 2500 \times 5 \times 3/100 = \text{Rs. } 375.$

Q217. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 467
- (B) 140.0
- (C) 230
- (D) 260

Answer: D

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

Q218. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 230
- (B) 260
- (C) 91
- (D) 140.0

Answer: B

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

Q219. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

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

Answer: D

Explanation: Combined rate = $1/20 + 1/24 = (44)/480$; time = $480/44 = 10.91$ days.

Q220. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: A

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

Q221. Find the average of 12, 55, 41, 49, 52.

- (A) 43.8
- (B) 41.8
- (C) 39.8
- (D) 52.2

Answer: B

Explanation: Average = sum / count = $209/5 = 41.8$.

Q222. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

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

Answer: D

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

Q223. Find the simple interest on Rs. 5000 at 5% per annum for 3 years.

- (A) 250
- (B) 1250
- (C) 334
- (D) 750

Answer: D

Explanation: $SI = \frac{PRT}{100} = 5000 \times 5 \times 3/100 = \text{Rs. } 750.$

Q224. Find the simple interest on Rs. 4000 at 10% per annum for 3 years.

- (A) 400
- (B) 1600
- (C) 1200
- (D) 800

Answer: C

Explanation: $SI = \frac{PRT}{100} = 4000 \times 10 \times 3/100 = \text{Rs. } 1200.$

Q225. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

- (A) 63.5
- (B) 240.0
- (C) 17.14
- (D) 210

Answer: D

Explanation: Distance = speed x time = $60 \times 3.5 = 210 \text{ km}.$

Q226. Find the simple interest on Rs. 5000 at 6% per annum for 4 years.

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

Answer: A

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

Q227. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 17.14
- (B) 7.06
- (C) 17.0
- (D) 14

Answer: B

Explanation: Combined rate = $\frac{1}{10} + \frac{1}{24} = \frac{34}{240}$; time = $\frac{240}{34} = 7.06 \text{ days}.$

Q228. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 36
- (B) 63
- (C) 27
- (D) 9

Answer: C

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27.$

Q229. What is 10% of 400?

- (A) 60.0
- (B) 80.0
- (C) 20.0
- (D) 40

Answer: D

Explanation: $10\% \text{ of } 400 = (10/100) \times 400 = 40.$

Q230. An item costs Rs. 250. At a profit of 12%, what is the selling price?

- (A) 262
- (B) 220.0
- (C) 280
- (D) 274

Answer: C

Explanation: Selling price = $250 \times (1 + 12/100) = \text{Rs. } 280.$

Q231. An item costs Rs. 240. At a profit of 12%, what is the selling price?

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

Answer: D

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

Q232. An item costs Rs. 400. At a profit of 30%, what is the selling price?

- (A) 460
- (B) 520
- (C) 280.0
- (D) 430

Answer: B

Explanation: Selling price = $400 \times (1 + 30/100) = \text{Rs. } 520.$

Q233. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

- (A) 72
- (B) 288
- (C) 168
- (D) 408

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 6 \times 4/100 = \text{Rs. } 288.$

Q234. Find the average of 63, 64, 12, 39, 31.

- (A) 41.8
- (B) 52.2
- (C) 43.8
- (D) 39.8

Answer: A

Explanation: Average = $\text{sum} / \text{count} = 209/5 = 41.8.$

Q235. Find the simple interest on Rs. 4000 at 5% per annum for 4 years.

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

Answer: D

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

Q236. A can finish a work in 12 days and B in 20 days. In how many days can they finish it together?

- (A) 7.5
- (B) 8
- (C) 30.0
- (D) 16.0

Answer: A

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

Q237. Find the simple interest on Rs. 5000 at 12% per annum for 3 years.

- (A) 1300
- (B) 2300
- (C) 600
- (D) 1800

Answer: D

Explanation: $SI = \frac{PRT}{100} = 5000 \times 12 \times 3/100 = \text{Rs. } 1800.$

Q238. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

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

Answer: C

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

Q239. Find the average of 22, 55, 49, 29, 29.

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

Answer: B

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

Q240. Find the average of 75, 25, 65, 40, 34.

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

Answer: D

Explanation: Average = sum / count = $239/5 = 47.8.$

Q241. What is 75% of 800?

- (A) 560.0
- (B) 600
- (C) 680.0
- (D) 640.0

Answer: B

Explanation: $75\% \text{ of } 800 = (75/100) \times 800 = 600$.

Q242. 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 = $4 \times 4 = 16$.

Q243. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 270
- (B) 168.0
- (C) 312
- (D) 300

Answer: C

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312$.

Q244. What is 30% of 600?

- (A) 210.0
- (B) 240.0
- (C) 150.0
- (D) 180

Answer: D

Explanation: $30\% \text{ of } 600 = (30/100) \times 600 = 180$.

Q245. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 212.5
- (B) 280
- (C) 287.5
- (D) 265

Answer: C

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q246. Find the average of 50, 67, 72, 47, 52.

- (A) 72.0
- (B) 55.6
- (C) 57.6
- (D) 59.6

Answer: C

Explanation: Average = sum / count = $288/5 = 57.6$.

Q247. Find the simple interest on Rs. 2000 at 10% per annum for 2 years.

- (A) 600
- (B) 383
- (C) 400
- (D) 200

Answer: C

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

Q248. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

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

Answer: A

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

Q249. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 270
- (C) 275
- (D) 225.0

Answer: C

Explanation: Selling price = $250 \times (1 + \frac{10}{100}) = \text{Rs. } 275.$

Q250. An item costs Rs. 400. At a profit of 15%, what is the selling price?

- (A) 460
- (B) 430
- (C) 415
- (D) 340.0

Answer: A

Explanation: Selling price = $400 \times (1 + \frac{15}{100}) = \text{Rs. } 460.$

Q251. Two quantities are in the ratio 3:4. If their total is 35, what is the first quantity?

- (A) 35
- (B) 20
- (C) 15
- (D) 5

Answer: C

Explanation: Total parts = 7. One part = $\frac{35}{7} = 5$; first quantity = $3 \times 5 = 15.$

Q252. Find the average of 64, 57, 55, 59, 41.

- (A) 53.2
- (B) 69.0
- (C) 57.2
- (D) 55.2

Answer: D

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{276}{5} = 55.2.$

Q253. Find the average of 52, 33, 71, 25, 63.

- (A) 61.0
- (B) 48.8
- (C) 46.8
- (D) 50.8

Answer: B

Explanation: Average = sum / count = $244/5 = 48.8$.

Q254. An item costs Rs. 750. At a profit of 12%, what is the selling price?

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

Answer: B

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

Q255. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

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

Answer: A

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

Q256. Two quantities are in the ratio 5:7. If their total is 216, what is the first quantity?

- (A) 90
- (B) 126
- (C) 36
- (D) 216

Answer: A

Explanation: Total parts = 12. One part = $216/12 = 18$; first quantity = $5 \times 18 = 90$.

Q257. What is 35% of 480?

- (A) 216.0
- (B) 192.0
- (C) 168
- (D) 144.0

Answer: C

Explanation: 35% of 480 = $(35/100) \times 480 = 168$.

Q258. A can finish a work in 18 days and B in 32 days. In how many days can they finish it together?

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

Answer: C

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

Q259. What is 20% of 160?

- (A) 40.0
- (B) 24.0
- (C) 48.0
- (D) 32

Answer: D

Explanation: 20% of 160 = $(20/100) \times 160 = 32$.

Q260. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

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

Answer: A

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

Q261. What is 15% of 600?

- (A) 150.0
- (B) 90
- (C) 120.0
- (D) 60.0

Answer: B

Explanation: 15% of 600 = $(15/100) \times 600 = 90$.

Q262. An item costs Rs. 320. At a profit of 10%, what is the selling price?

- (A) 340
- (B) 330
- (C) 288.0
- (D) 352

Answer: D

Explanation: Selling price = $320 \times (1 + 10/100) = \text{Rs. } 352$.

Q263. Find the simple interest on Rs. 2000 at 10% per annum for 3 years.

- (A) 600
- (B) 800
- (C) 200
- (D) 400

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 10 \times 3/100 = \text{Rs. } 600$.

Q264. What is 40% of 600?

- (A) 210.0
- (B) 270.0
- (C) 300.0
- (D) 240

Answer: D

Explanation: 40% of 600 = $(40/100) \times 600 = 240$.

Q265. What is 20% of 500?

- (A) 100
- (B) 150.0
- (C) 75.0
- (D) 125.0

Answer: A

Explanation: $20\% \text{ of } 500 = (20/100) \times 500 = 100.$

Q266. Find the simple interest on Rs. 2500 at 5% per annum for 4 years.

- (A) 125
- (B) 750
- (C) 500
- (D) 250

Answer: C

Explanation: $SI = PRT/100 = 2500 \times 5 \times 4/100 = \text{Rs. } 500.$

Q267. An item costs Rs. 240. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 264
- (C) 216.0
- (D) 250

Answer: B

Explanation: $\text{Selling price} = 240 \times (1 + 10/100) = \text{Rs. } 264.$

Q268. An item costs Rs. 240. At a profit of 12%, what is the selling price?

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

Answer: A

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

Q269. Find the average of 76, 13, 48, 74, 65.

- (A) 53.2
- (B) 57.2
- (C) 69.0
- (D) 55.2

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 276/5 = 55.2.$

Q270. An item costs Rs. 750. At a profit of 12%, what is the selling price?

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

Answer: C

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

Q271. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?

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

Answer: C

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

Q272. 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 = $4 \times 18 = 72$.

Q273. Find the simple interest on Rs. 1000 at 12% per annum for 3 years.

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

Answer: A

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

Q274. Find the average of 27, 55, 55, 38, 70.

- (A) 61.2
- (B) 47
- (C) 51
- (D) 49

Answer: D

Explanation: Average = sum / count = $245/5 = 49$.

Q275. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

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

Answer: C

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

Q276. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

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

Answer: A

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

Q277. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

- (A) 90.0
- (B) 3
- (C) 16.5
- (D) 8.18

Answer: D

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

Q278. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q279. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 216.0
- (B) 189
- (C) 57.5
- (D) 15.43

Answer: B

Explanation: Distance = speed x time = $54 \times 3.5 = 189$ km.

Q280. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 189
- (B) 15.43
- (C) 57.5
- (D) 216.0

Answer: A

Explanation: Distance = speed x time = $54 \times 3.5 = 189$ km.

Q281. Find the simple interest on Rs. 2500 at 12% per annum for 3 years.

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

Answer: D

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

Q282. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

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

Answer: B

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

Q283. Find the simple interest on Rs. 1500 at 5% per annum for 2 years.

- (A) 75
- (B) 300
- (C) 150
- (D) 1

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 5 \times 2}{100} = \text{Rs. } 150.$

Q284. Two quantities are in the ratio 2:3. If their total is 55, what is the first quantity?

- (A) 33
- (B) 55
- (C) 22
- (D) 11

Answer: C

Explanation: Total parts = 5. One part = $55/5 = 11$; first quantity = $2 \times 11 = 22.$

Q285. What is 50% of 240?

- (A) 132.0
- (B) 120
- (C) 108.0
- (D) 144.0

Answer: B

Explanation: $50\% \text{ of } 240 = \frac{50}{100} \times 240 = 120.$

Q286. Two quantities are in the ratio 2:3. If their total is 65, what is the first quantity?

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

Answer: C

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

Q287. Two quantities are in the ratio 3:4. If their total is 126, what is the first quantity?

- (A) 126
- (B) 18
- (C) 72
- (D) 54

Answer: D

Explanation: Total parts = 7. One part = $126/7 = 18$; first quantity = $3 \times 18 = 54.$

Q288. An item costs Rs. 240. At a profit of 12%, what is the selling price?

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

Answer: C

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

Q289. What is 30% of 450?

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

Answer: C

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

Q290. Two quantities are in the ratio 2:3. If their total is 90, what is the first quantity?

- (A) 54
- (B) 18
- (C) 90
- (D) 36

Answer: D

Explanation: Total parts = 5. One part = $90/5 = 18$; first quantity = $2 \times 18 = 36$.

Q291. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 7.5
- (B) 15.0
- (C) 225.0
- (D) 0

Answer: A

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q292. An item costs Rs. 320. At a profit of 30%, what is the selling price?

- (A) 224.0
- (B) 416
- (C) 380
- (D) 350

Answer: B

Explanation: Selling price = $320 \times (1 + 30/100) = \text{Rs. } 416$.

Q293. Find the simple interest on Rs. 1200 at 5% per annum for 4 years.

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

Answer: D

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

Q294. Find the simple interest on Rs. 1500 at 5% per annum for 3 years.

- (A) 225
- (B) 375
- (C) 75
- (D) 44

Answer: A

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

Q295. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q296. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 3
- (B) 13.5
- (C) 6.67
- (D) 60.0

Answer: C

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

Q297. An item costs Rs. 250. At a profit of 30%, what is the selling price?

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

Answer: D

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

Q298. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

- (A) 13.0
- (B) 4.62
- (C) 14
- (D) 8.57

Answer: B

Explanation: Combined rate = $1/6 + 1/20 = (26)/120$; time = $120/26 = 4.62$ days.

Q299. Find the simple interest on Rs. 4000 at 12% per annum for 3 years.

- (A) 1440
- (B) 480
- (C) 1040
- (D) 1840

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 12 \times 3/100 = \text{Rs. } 1440$.

Q300. Two quantities are in the ratio 5:7. If their total is 84, what is the first quantity?

- (A) 35
- (B) 14
- (C) 49
- (D) 84

Answer: A

Explanation: Total parts = 12. One part = $84/12 = 7$; first quantity = $5 \times 7 = 35$.

General Intelligence & Reasoning

Q301. Find the next number: 5, 7, 9, 11, 13, ?

- (A) 15
- (B) 17
- (C) 13
- (D) 19

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $13 + 2 = 15$.

Q302. 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.

Q303. A person walks 5 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 9.07
- (C) 7.07
- (D) 10

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 5^2} = 7.07$ km.

Q304. 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.

Q305. 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.

Q306. 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.

Q307. Find the next number: 16, 19, 22, 25, 28, ?

- (A) 37
- (B) 34
- (C) 31
- (D) 28

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $28 + 3 = 31$.

Q308. 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.

Q309. 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.

Q310. 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.

Q311. Find the next number: 11, 20, 29, 38, 47, ?

- (A) 65
- (B) 56
- (C) 47
- (D) 74

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $47 + 9 = 56$.

Q312. 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.

Q313. 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.

Q314. 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.

Q315. 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.

Q316. 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.

Q317. 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.

Q318. Find the next number: 17, 25, 33, 41, 49, ?

- (A) 49
- (B) 65
- (C) 57
- (D) 73

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $49 + 8 = 57$.

Q319. 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.

Q320. Find the next number: 4, 11, 18, 25, 32, ?

- (A) 46
- (B) 32
- (C) 53
- (D) 39

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $32 + 7 = 39$.

Q321. Find the next number: 19, 21, 23, 25, 27, ?

- (A) 33
- (B) 31
- (C) 29
- (D) 27

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $27 + 2 = 29$.

Q322. 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.

Q323. Find the next number: 13, 15, 17, 19, 21, ?

- (A) 25
- (B) 21
- (C) 27
- (D) 23

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $21 + 2 = 23$.

Q324. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) BANK
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q325. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) TAC
- (C) ECV
- (D) CAT

Answer: A

Explanation: Shift each letter forward by one: CAT -> DBU.

Q326. 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) 14
- (C) 0
- (D) 11.9

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 7^2} = 9.9$ km.

Q327. 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.

Q328. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) SBJM
- (B) TCKN
- (C) RAIL
- (D) LIAR

Answer: A

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q329. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 7
- (B) 10.44
- (C) 13
- (D) 12.44

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 10^2} = 10.44$ 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. 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.

Q332. 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.

Q333. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) DPEF
- (C) CODE
- (D) EDOC

Answer: B

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q334. Find the next number: 6, 13, 20, 27, 34, ?

- (A) 41
- (B) 34
- (C) 48
- (D) 55

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $34 + 7 = 41$.

Q335. A person walks 10 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 20
- (B) 16.14
- (C) 14.14
- (D) 0

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 10^2} = 14.14$ km.

Q336. A person walks 8 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 2
- (C) 12.0
- (D) 10.0

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q337. Find the next number: 15, 24, 33, 42, 51, ?

- (A) 78
- (B) 60
- (C) 51
- (D) 69

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $51 + 9 = 60$.

Q338. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 16
- (C) 13.66
- (D) 11.66

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 6^2} = 11.66$ km.

Q339. 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.

Q340. 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.

Q341. A person walks 8 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 10.0
- (C) 12.0
- (D) 14

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q342. 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.

Q343. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) CBOL
- (C) BANK
- (D) KNAB

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q344. 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.

Q345. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) SBJM
- (C) TCKN
- (D) LIAR

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q346. 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.

Q347. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10
- (B) 7.62
- (C) 4
- (D) 9.62

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 7^2} = 7.62$ km.

Q348. Find the next number: 12, 19, 26, 33, 40, ?

- (A) 54
- (B) 47
- (C) 40
- (D) 61

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $40 + 7 = 47$.

Q349. 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) 15
- (C) 3
- (D) 12.82

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 6^2} = 10.82$ km.

Q350. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) MATH
- (C) OCVJ
- (D) HTAM

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q351. 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.

Q352. 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.

Q353. 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.

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. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) FQI
- (C) EPH
- (D) DOG

Answer: C

Explanation: Shift each letter forward by one: DOG → EPH.

Q356. 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.

Q357. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 13
- (B) 9.22
- (C) 11.22
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q358. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 13
- (C) 9.22
- (D) 11.22

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q359. 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.

Q360. 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.

Q361. 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.

Q362. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12.82
- (B) 10.82
- (C) 3
- (D) 15

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q363. Find the next number: 20, 24, 28, 32, 36, ?

- (A) 40
- (B) 48
- (C) 44
- (D) 36

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $36 + 4 = 40$.

Q364. 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.

Q365. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) HTAM
- (C) NBUI
- (D) OCVJ

Answer: C

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q366. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 12.63
- (B) 10.63
- (C) 15
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 7^2} = 10.63$ km.

Q367. 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.

Q368. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 3
- (C) 14.21
- (D) 12.21

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q369. 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.

Q370. 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.

Q371. 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.

Q372. 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.

Q373. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 13
- (C) 3
- (D) 9.43

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q374. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) ECV
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q375. 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.

Q376. A person walks 5 km north and then 6 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 = $\sqrt{5^2 + 6^2} = 7.81$ km.

Q377. 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.

Q378. 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.

Q379. Find the next number: 17, 23, 29, 35, 41, ?

- (A) 41
- (B) 59
- (C) 53
- (D) 47

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $41 + 6 = 47$.

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. 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 $\rightarrow$ DPEF.

Q382. 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.

Q383. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 11
- (C) 7.81
- (D) 9.81

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q384. Find the next number: 16, 21, 26, 31, 36, ?

- (A) 51
- (B) 36
- (C) 41
- (D) 46

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $36 + 5 = 41$.

Q385. 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.

Q386. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) CAT
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q387. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 3
- (C) 9.43
- (D) 13

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q388. Find the next number: 15, 19, 23, 27, 31, ?

- (A) 35
- (B) 43
- (C) 31
- (D) 39

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $31 + 4 = 35$.

Q389. 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.

Q390. 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.

Q391. Find the next number: 4, 12, 20, 28, 36, ?

- (A) 60
- (B) 44
- (C) 52
- (D) 36

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $36 + 8 = 44$.

Q392. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 5.0
- (C) 7.0
- (D) 7

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q393. Find the next number: 20, 22, 24, 26, 28, ?

- (A) 30
- (B) 28
- (C) 34
- (D) 32

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $28 + 2 = 30$.

Q394. 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.

Q395. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 6.4
- (B) 8.4
- (C) 1
- (D) 9

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 4^2} = 6.4$ km.

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: 19, 23, 27, 31, 35, ?

- (A) 47
- (B) 35
- (C) 43
- (D) 39

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $35 + 4 = 39$.

Q398. 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 → SBJM.

Q399. 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.

Q400. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) TAC
- (C) ECV
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q401. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) DCPM
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK → CBOL.

Q402. 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.

Q403. 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.

Q404. 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.

Q405. 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.

Q406. 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.

Q407. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) LIAR
- (C) RAIL
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q408. 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.

Q409. Find the next number: 8, 12, 16, 20, 24, ?

- (A) 24
- (B) 32
- (C) 28
- (D) 36

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $24 + 4 = 28$.

Q410. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.54
- (B) 11
- (C) 5
- (D) 8.54

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 8^2} = 8.54$ km.

Q411. Find the next number: 9, 18, 27, 36, 45, ?

- (A) 72
- (B) 54
- (C) 45
- (D) 63

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $45 + 9 = 54$.

Q412. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 8.6
- (B) 12
- (C) 2
- (D) 10.6

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 5^2} = 8.6$ km.

Q413. Find the next number: 10, 15, 20, 25, 30, ?

- (A) 45
- (B) 35
- (C) 40
- (D) 30

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $30 + 5 = 35$.

Q414. 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.

Q415. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) FQI
- (C) GOD
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG -> EPH.

Q416. 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.

Q417. 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.

Q418. 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.

Q419. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 12
- (C) 10.6
- (D) 8.6

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 7^2} = 8.6$ km.

Q420. 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) 5
- (C) 15
- (D) 13.18

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q421. Find the next number: 16, 21, 26, 31, 36, ?

- (A) 46
- (B) 51
- (C) 36
- (D) 41

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $36 + 5 = 41$.

Q422. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) DBU
- (C) ECV
- (D) CAT

Answer: B

Explanation: Shift each letter forward by one: CAT → DBU.

Q423. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EDOC
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q424. 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.

Q425. Find the next number: 9, 16, 23, 30, 37, ?

- (A) 58
- (B) 44
- (C) 51
- (D) 37

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $37 + 7 = 44$.

Q426. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 46
- (B) 62
- (C) 54
- (D) 38

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q427. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 9.85
- (B) 11.85
- (C) 13
- (D) 5

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q428. 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.

Q429. A person walks 7 km north and then 10 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 = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q430. Find the next number: 8, 10, 12, 14, 16, ?

- (A) 16
- (B) 20
- (C) 18
- (D) 22

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $16 + 2 = 18$.

Q431. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 1
- (C) 12.63
- (D) 10.63

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ km.

Q432. Find the next number: 19, 27, 35, 43, 51, ?

- (A) 67
- (B) 59
- (C) 51
- (D) 75

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $51 + 8 = 59$.

Q433. 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.

Q434. Find the next number: 10, 18, 26, 34, 42, ?

- (A) 66
- (B) 58
- (C) 50
- (D) 42

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $42 + 8 = 50$.

Q435. 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.

Q436. 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.

Q437. Find the next number: 8, 15, 22, 29, 36, ?

- (A) 50
- (B) 57
- (C) 36
- (D) 43

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $36 + 7 = 43$.

Q438. 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.

Q439. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 46
- (B) 38
- (C) 54
- (D) 62

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q440. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 9.49
- (B) 12
- (C) 6
- (D) 11.49

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q441. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) CBOL
- (C) DCPM
- (D) KNAB

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q442. A person walks 4 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 10.77
- (B) 6
- (C) 12.77
- (D) 14

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 10^2} = 10.77$ km.

Q443. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 7.81
- (B) 11
- (C) 1
- (D) 9.81

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q444. Find the next number: 10, 16, 22, 28, 34, ?

- (A) 46
- (B) 34
- (C) 40
- (D) 52

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $34 + 6 = 40$.

Q445. A person walks 4 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 5.66
- (B) 0
- (C) 7.66
- (D) 8

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 4^2} = 5.66$ km.

Q446. 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.

Q447. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) SBJM
- (C) LIAR
- (D) TCKN

Answer: B

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q448. Find the next number: 18, 25, 32, 39, 46, ?

- (A) 46
- (B) 60
- (C) 53
- (D) 67

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $46 + 7 = 53$.

Q449. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) TCKN
- (C) SBJM
- (D) RAIL

Answer: C

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q450. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) OCVJ
- (C) MATH
- (D) HTAM

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q451. 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.

Q452. Find the next number: 14, 23, 32, 41, 50, ?

- (A) 68
- (B) 59
- (C) 50
- (D) 77

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $50 + 9 = 59$.

Q453. Find the next number: 6, 10, 14, 18, 22, ?

- (A) 30
- (B) 34
- (C) 22
- (D) 26

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $22 + 4 = 26$.

Q454. 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.

Q455. 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 → DBU.

Q456. 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.

Q457. 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.

Q458. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 7.21
- (B) 2
- (C) 10
- (D) 9.21

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 6^2} = 7.21$ km.

Q459. Find the next number: 14, 20, 26, 32, 38, ?

- (A) 56
- (B) 50
- (C) 44
- (D) 38

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $38 + 6 = 44$.

Q460. 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.

Q461. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) DOG
- (C) EPH
- (D) FQI

Answer: C

Explanation: Shift each letter forward by one: DOG -> EPH.

Q462. Find the next number: 2, 7, 12, 17, 22, ?

- (A) 27
- (B) 37
- (C) 32
- (D) 22

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $22 + 5 = 27$.

Q463. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10
- (B) 4
- (C) 7.62
- (D) 9.62

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 3^2} = 7.62$ km.

Q464. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EDOC
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q465. Find the next number: 20, 23, 26, 29, 32, ?

- (A) 32
- (B) 38
- (C) 41
- (D) 35

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $32 + 3 = 35$.

Q466. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) OCVJ
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q467. 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.

Q468. 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.

Q469. 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.

Q470. 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.

Q471. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.85
- (B) 13
- (C) 9.85
- (D) 5

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q472. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 8.71
- (C) 6.71
- (D) 9

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q473. 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.

Q474. 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.

Q475. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5.83
- (B) 2
- (C) 8
- (D) 7.83

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q476. 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.

Q477. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) TAC
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q478. Find the next number: 10, 13, 16, 19, 22, ?

- (A) 28
- (B) 22
- (C) 25
- (D) 31

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $22 + 3 = 25$.

Q479. Find the next number: 6, 11, 16, 21, 26, ?

- (A) 26
- (B) 41
- (C) 36
- (D) 31

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $26 + 5 = 31$.

Q480. 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.

Q481. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) OCVJ
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q482. A person walks 6 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 10.0
- (C) 2
- (D) 12.0

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 8^2} = 10.0$ km.

Q483. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 12.04
- (B) 1
- (C) 14.04
- (D) 17

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 8^2} = 12.04$ km.

Q484. 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.

Q485. 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.

Q486. 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.

Q487. 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.

Q488. 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.

Q489. 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.

Q490. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 12.63
- (B) 1
- (C) 10.63
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 7^2} = 10.63$ km.

Q491. 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.

Q492. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 19
- (C) 15.45
- (D) 13.45

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q493. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) EPH
- (C) GOD
- (D) DOG

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q494. A person walks 8 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 11.31
- (B) 16
- (C) 0
- (D) 13.31

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 8^2} = 11.31$ km.

Q495. Find the next number: 10, 14, 18, 22, 26, ?

- (A) 34
- (B) 26
- (C) 30
- (D) 38

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $26 + 4 = 30$.

Q496. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) DPEF
- (D) CODE

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q497. 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.

Q498. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) CAT
- (C) ECV
- (D) TAC

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q499. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) FQI
- (C) GOD
- (D) DOG

Answer: A

Explanation: Shift each letter forward by one: DOG -> EPH.

Q500. 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.

Q501. A person walks 9 km north and then 7 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 = $\sqrt{9^2 + 7^2} = 11.4$ km.

Q502. Find the next number: 9, 14, 19, 24, 29, ?

- (A) 39
- (B) 29
- (C) 44
- (D) 34

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $29 + 5 = 34$.

Q503. 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) 13
- (C) 10.44
- (D) 7

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 3^2} = 10.44$ km.

Q504. 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.

Q505. A person walks 5 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 9.43
- (C) 3
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 8^2} = 9.43$ km.

Q506. 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.

Q507. Find the next number: 9, 15, 21, 27, 33, ?

- (A) 51
- (B) 39
- (C) 33
- (D) 45

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $33 + 6 = 39$.

Q508. 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.

Q509. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) TAC
- (C) CAT
- (D) ECV

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q510. Find the next number: 9, 11, 13, 15, 17, ?

- (A) 17
- (B) 23
- (C) 19
- (D) 21

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $17 + 2 = 19$.

Q511. 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.

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. Find the next number: 14, 22, 30, 38, 46, ?

- (A) 70
- (B) 62
- (C) 46
- (D) 54

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $46 + 8 = 54$.

Q514. A person walks 3 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 6.24
- (B) 0
- (C) 4.24
- (D) 6

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 3^2} = 4.24$ km.

Q515. 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.

Q516. A person walks 3 km north and then 10 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 = $\sqrt{3^2 + 10^2} = 10.44$ km.

Q517. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) DOG
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG -> EPH.

Q518. 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.

Q519. 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.

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. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) BANK
- (C) KNAB
- (D) DCPM

Answer: A

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q522. 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.

Q523. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 13
- (C) 11.22
- (D) 9.22

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q524. 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.

Q525. 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.

Q526. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) TAC
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT $\rightarrow$ DBU.

Q527. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12.3
- (B) 4
- (C) 10.3
- (D) 14

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 9^2} = 10.3$ km.

Q528. Find the next number: 20, 23, 26, 29, 32, ?

- (A) 41
- (B) 38
- (C) 35
- (D) 32

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $32 + 3 = 35$.

Q529. Find the next number: 18, 22, 26, 30, 34, ?

- (A) 34
- (B) 42
- (C) 46
- (D) 38

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $34 + 4 = 38$.

Q530. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) KNAB
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q531. 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.

Q532. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 9.22
- (C) 13
- (D) 11.22

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q533. Find the next number: 19, 27, 35, 43, 51, ?

- (A) 67
- (B) 51
- (C) 75
- (D) 59

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $51 + 8 = 59$.

Q534. 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.

Q535. Find the next number: 12, 21, 30, 39, 48, ?

- (A) 75
- (B) 57
- (C) 48
- (D) 66

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $48 + 9 = 57$.

Q536. 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.

Q537. 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.

Q538. Find the next number: 5, 10, 15, 20, 25, ?

- (A) 40
- (B) 25
- (C) 30
- (D) 35

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $25 + 5 = 30$.

Q539. 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.

Q540. Find the next number: 16, 18, 20, 22, 24, ?

- (A) 26
- (B) 24
- (C) 30
- (D) 28

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $24 + 2 = 26$.

Q541. 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.

Q542. 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.

Q543. 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.

Q544. Find the next number: 16, 25, 34, 43, 52, ?

- (A) 70
- (B) 79
- (C) 61
- (D) 52

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $52 + 9 = 61$.

Q545. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) DCPM
- (D) BANK

Answer: B

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q546. 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.

Q547. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 10.94
- (C) 12
- (D) 8.94

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 8^2} = 8.94$ km.

Q548. 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.

Q549. Find the next number: 12, 15, 18, 21, 24, ?

- (A) 33
- (B) 24
- (C) 30
- (D) 27

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $24 + 3 = 27$.

Q550. 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.

Q551. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) ECV
- (C) TAC
- (D) CAT

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q552. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) DPEF
- (C) EQFG
- (D) EDOC

Answer: B

Explanation: Shift each letter forward by one: CODE → DPEF.

Q553. Find the next number: 20, 22, 24, 26, 28, ?

- (A) 34
- (B) 28
- (C) 30
- (D) 32

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $28 + 2 = 30$.

Q554. 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.

Q555. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) CAT
- (C) ECV
- (D) TAC

Answer: A

Explanation: Shift each letter forward by one: CAT $\rightarrow$ DBU.

Q556. 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.

Q557. 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.

Q558. 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.

Q559. 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.

Q560. A person walks 8 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10.0
- (B) 2
- (C) 14
- (D) 12.0

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q561. Find the next number: 11, 19, 27, 35, 43, ?

- (A) 59
- (B) 67
- (C) 51
- (D) 43

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $43 + 8 = 51$.

Q562. 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 → SBJM.

Q563. 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.

Q564. 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.

Q565. 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.

Q566. 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.

Q567. 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.

Q568. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 8.49
- (B) 0
- (C) 12
- (D) 10.49

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q569. Find the next number: 12, 21, 30, 39, 48, ?

- (A) 75
- (B) 66
- (C) 57
- (D) 48

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $48 + 9 = 57$.

Q570. 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.

Q571. 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.

Q572. 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.

Q573. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 10.82
- (B) 15
- (C) 3
- (D) 12.82

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q574. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 12.82
- (C) 10.82
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q575. 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.

Q576. Find the next number: 4, 8, 12, 16, 20, ?

- (A) 28
- (B) 24
- (C) 20
- (D) 32

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $20 + 4 = 24$.

Q577. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) BANK
- (C) DCPM
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q578. 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.

Q579. 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.

Q580. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) BANK
- (C) CBOL
- (D) KNAB

Answer: C

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q581. A person walks 8 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10.0
- (B) 14
- (C) 12.0
- (D) 2

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q582. 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.

Q583. Find the next number: 15, 19, 23, 27, 31, ?

- (A) 39
- (B) 43
- (C) 35
- (D) 31

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $31 + 4 = 35$.

Q584. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) DCPM
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK → CBOL.

Q585. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 9.22
- (B) 11.22
- (C) 1
- (D) 13

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q586. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) FQI
- (C) DOG
- (D) GOD

Answer: A

Explanation: Shift each letter forward by one: DOG → EPH.

Q587. 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.

Q588. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 12
- (C) 10.49
- (D) 8.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q589. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) GOD
- (C) DOG
- (D) FQI

Answer: A

Explanation: Shift each letter forward by one: DOG -> EPH.

Q590. 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.

Q591. 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.

Q592. Find the next number: 19, 22, 25, 28, 31, ?

- (A) 37
- (B) 40
- (C) 31
- (D) 34

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $31 + 3 = 34$.

Q593. 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.

Q594. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) TAC
- (C) CAT
- (D) ECV

Answer: A

Explanation: Shift each letter forward by one: CAT -> DBU.

Q595. 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.

Q596. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 9.22
- (B) 13
- (C) 1
- (D) 11.22

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q597. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 15
- (C) 10.63
- (D) 12.63

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ km.

Q598. 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) 13.18
- (C) 5
- (D) 15

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q599. 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.

Q600. 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.

General Awareness

Q601. The SI unit of force is

- (A) joule
- (B) watt
- (C) newton
- (D) pascal

Answer: C

Explanation: Force is measured in newtons (N).

Q602. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Bankim Chandra Chattopadhyay
- (C) Sarojini Naidu
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q603. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Rabindranath Tagore
- (D) Bankim Chandra Chattopadhyay

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q604. The fundamental unit of life is

- (A) cell
- (B) organ
- (C) tissue
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

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. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Oxygen
- (C) Carbon dioxide
- (D) Nitrogen

Answer: D

Explanation: Nitrogen is about 78% of the atmosphere.

Q607. The chemical symbol for sodium is

- (A) Na
- (B) N
- (C) S
- (D) So

Answer: A

Explanation: Na comes from the Latin name natrium.

Q608. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Platelets
- (C) Red blood cells
- (D) Plasma cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q609. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha and Rajya Sabha only
- (C) Lok Sabha only
- (D) President and Lok Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q610. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Arctic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q611. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^6 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q612. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Chloroplast
- (D) Mitochondrion

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q613. The speed of light in vacuum is approximately

- (A) 3×10^{10} m/s
- (B) 3×10^5 m/s
- (C) 3×10^6 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q614. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Platelets
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q615. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Hydrogen
- (C) Carbon dioxide
- (D) Oxygen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q616. The capital of India is

- (A) Chennai
- (B) Kolkata
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q617. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mercury
- (C) Mars
- (D) Venus

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q618. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Chennai
- (D) Kolkata

Answer: A

Explanation: New Delhi is the capital of India.

Q619. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Hydrogen
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q620. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) White blood cells
- (C) Plasma cells
- (D) Platelets

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q621. The capital of India is

- (A) Chennai
- (B) New Delhi
- (C) Mumbai
- (D) Kolkata

Answer: B

Explanation: New Delhi is the capital of India.

Q622. The SI unit of force is

- (A) joule
- (B) watt
- (C) newton
- (D) pascal

Answer: C

Explanation: Force is measured in newtons (N).

Q623. The currency of Japan is

- (A) Dollar
- (B) Yuan
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q624. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 January 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: B

Explanation: It came into force on 26 January 1950.

Q625. The planet known as the Red Planet is

- (A) Mercury
- (B) Mars
- (C) Jupiter
- (D) Venus

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q626. The planet known as the Red Planet is

- (A) Mercury
- (B) Jupiter
- (C) Venus
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q627. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q628. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mercury
- (C) Venus
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q629. The chemical symbol for sodium is

- (A) Na
- (B) So
- (C) N
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q630. 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.

Q631. The SI unit of force is

- (A) joule
- (B) newton
- (C) pascal
- (D) watt

Answer: B

Explanation: Force is measured in newtons (N).

Q632. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Subramania Bharati
- (C) Sarojini Naidu
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q633. 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.

Q634. 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.

Q635. The Parliament of India consists of

- (A) Lok Sabha only
- (B) Lok Sabha and Rajya Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) President and Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q636. 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.

Q637. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 26 January 1950
- (C) 15 August 1947
- (D) 2 October 1950

Answer: B

Explanation: It came into force on 26 January 1950.

Q638. The currency of Japan is

- (A) Won
- (B) Dollar
- (C) Yuan
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q639. 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.

Q640. 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.

Q641. The capital of India is

- (A) Chennai
- (B) Mumbai
- (C) New Delhi
- (D) Kolkata

Answer: C

Explanation: New Delhi is the capital of India.

Q642. The capital of India is

- (A) Mumbai
- (B) Kolkata
- (C) Chennai
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q643. The chemical symbol for sodium is

- (A) So
- (B) N
- (C) S
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q644. The chemical symbol for sodium is

- (A) S
- (B) So
- (C) Na
- (D) N

Answer: C

Explanation: Na comes from the Latin name natrium.

Q645. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q646. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Carbon dioxide
- (C) Oxygen
- (D) Hydrogen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q647. The longest river entirely within India is

- (A) Ganga
- (B) Narmada
- (C) Godavari
- (D) Yamuna

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q648. 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.

Q649. The currency of Japan is

- (A) Yen
- (B) Won
- (C) Yuan
- (D) Dollar

Answer: A

Explanation: Japan uses the yen.

Q650. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) White blood cells
- (C) Red blood cells
- (D) Plasma cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q651. The SI unit of force is

- (A) joule
- (B) watt
- (C) pascal
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q652. 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.

Q653. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Mitochondrion
- (C) Nucleus
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q654. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 2 October 1950

Answer: C

Explanation: It came into force on 26 January 1950.

Q655. 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.

Q656. 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.

Q657. The SI unit of force is

- (A) pascal
- (B) watt
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q658. 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.

Q659. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q660. 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.

Q661. 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.

Q662. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) White blood cells
- (C) Plasma cells
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q663. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Platelets
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q664. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Indian Ocean
- (C) Pacific Ocean
- (D) Atlantic Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q665. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Platelets
- (C) Plasma cells
- (D) White blood cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q666. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Rabindranath Tagore
- (D) Bankim Chandra Chattopadhyay

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q667. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President and Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q668. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Kolkata
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q669. The fundamental unit of life is

- (A) cell
- (B) organ
- (C) tissue
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q670. The currency of Japan is

- (A) Dollar
- (B) Won
- (C) Yen
- (D) Yuan

Answer: C

Explanation: Japan uses the yen.

Q671. 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.

Q672. The fundamental unit of life is

- (A) cell
- (B) organ
- (C) tissue
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q673. The SI unit of force is

- (A) watt
- (B) newton
- (C) pascal
- (D) joule

Answer: B

Explanation: Force is measured in newtons (N).

Q674. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^6 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^5 m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q675. 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.

Q676. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Platelets
- (C) White blood cells
- (D) Plasma cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q677. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 15 August 1947
- (C) 26 November 1949
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q678. 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.

Q679. 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.

Q680. 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.

Q681. 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.

Q682. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Platelets
- (C) Red blood cells
- (D) White blood cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q683. 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.

Q684. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^8 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^6 m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q685. Which gas is most abundant in Earth's atmosphere?

- (A) Oxygen
- (B) Nitrogen
- (C) Carbon dioxide
- (D) Hydrogen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q686. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) Na
- (D) So

Answer: C

Explanation: Na comes from the Latin name natrium.

Q687. 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.

Q688. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Bankim Chandra Chattopadhyay
- (C) Rabindranath Tagore
- (D) Subramania Bharati

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q689. The currency of Japan is

- (A) Won
- (B) Yen
- (C) Dollar
- (D) Yuan

Answer: B

Explanation: Japan uses the yen.

Q690. 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.

Q691. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Rabindranath Tagore
- (C) Sarojini Naidu
- (D) Subramania Bharati

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q692. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Oxygen
- (C) Nitrogen
- (D) Carbon dioxide

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q693. The SI unit of force is

- (A) joule
- (B) newton
- (C) watt
- (D) pascal

Answer: B

Explanation: Force is measured in newtons (N).

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. 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.

Q696. The SI unit of force is

- (A) joule
- (B) pascal
- (C) watt
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q697. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Nucleus
- (C) Chloroplast
- (D) Ribosome

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q698. The capital of India is

- (A) Kolkata
- (B) New Delhi
- (C) Chennai
- (D) Mumbai

Answer: B

Explanation: New Delhi is the capital of India.

Q699. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) White blood cells
- (C) Red blood cells
- (D) Platelets

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q700. The planet known as the Red Planet is

- (A) Mercury
- (B) Venus
- (C) Mars
- (D) Jupiter

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q701. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q702. The SI unit of force is

- (A) pascal
- (B) newton
- (C) joule
- (D) watt

Answer: B

Explanation: Force is measured in newtons (N).

Q703. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Oxygen
- (D) Nitrogen

Answer: D

Explanation: Nitrogen is about 78% of the atmosphere.

Q704. The planet known as the Red Planet is

- (A) Venus
- (B) Mercury
- (C) Jupiter
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q705. The chemical symbol for sodium is

- (A) So
- (B) Na
- (C) S
- (D) N

Answer: B

Explanation: Na comes from the Latin name natrium.

Q706. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q707. The chemical symbol for sodium is

- (A) Na
- (B) S
- (C) N
- (D) So

Answer: A

Explanation: Na comes from the Latin name natrium.

Q708. 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.

Q709. 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.

Q710. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Bankim Chandra Chattopadhyay
- (C) Subramania Bharati
- (D) Sarojini Naidu

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q711. 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.

Q712. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q713. The fundamental unit of life is

- (A) organ
- (B) cell
- (C) tissue
- (D) atom

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q714. The SI unit of force is

- (A) watt
- (B) newton
- (C) pascal
- (D) joule

Answer: B

Explanation: Force is measured in newtons (N).

Q715. The currency of Japan is

- (A) Yuan
- (B) Dollar
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q716. The longest river entirely within India is

- (A) Narmada
- (B) Ganga
- (C) Yamuna
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q717. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Platelets
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q718. The currency of Japan is

- (A) Yen
- (B) Dollar
- (C) Yuan
- (D) Won

Answer: A

Explanation: Japan uses the yen.

Q719. The SI unit of force is

- (A) pascal
- (B) joule
- (C) newton
- (D) watt

Answer: C

Explanation: Force is measured in newtons (N).

Q720. 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.

Q721. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mercury
- (C) Mars
- (D) Venus

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q722. The capital of India is

- (A) Mumbai
- (B) Kolkata
- (C) New Delhi
- (D) Chennai

Answer: C

Explanation: New Delhi is the capital of India.

Q723. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Red blood cells
- (C) White blood cells
- (D) Platelets

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q724. The largest ocean on Earth is

- (A) Indian Ocean
- (B) Arctic Ocean
- (C) Pacific Ocean
- (D) Atlantic Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q725. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q726. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^5 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q727. 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.

Q728. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Hydrogen
- (D) Nitrogen

Answer: D

Explanation: Nitrogen is about 78% of the atmosphere.

Q729. 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.

Q730. The chemical symbol for sodium is

- (A) So
- (B) S
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q731. The SI unit of force is

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q732. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Carbon dioxide
- (C) Oxygen
- (D) Hydrogen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q733. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mercury
- (C) Mars
- (D) Venus

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q734. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Kolkata
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q735. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 2 October 1950

Answer: C

Explanation: It came into force on 26 January 1950.

Q736. The fundamental unit of life is

- (A) cell
- (B) atom
- (C) tissue
- (D) organ

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q737. The SI unit of force is

- (A) newton
- (B) pascal
- (C) joule
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q738. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q739. The longest river entirely within India is

- (A) Yamuna
- (B) Godavari
- (C) Narmada
- (D) Ganga

Answer: B

Explanation: Godavari is the longest river flowing entirely within India.

Q740. The chemical symbol for sodium is

- (A) S
- (B) N
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q741. 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.

Q742. 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.

Q743. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 15 August 1947
- (C) 26 November 1949
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q744. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Nitrogen
- (D) Hydrogen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q745. The planet known as the Red Planet is

- (A) Venus
- (B) Mars
- (C) Mercury
- (D) Jupiter

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q746. 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.

Q747. 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.

Q748. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^6 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q749. 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.

Q750. 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.

Q751. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^8 m/s
- (C) 3×10^6 m/s
- (D) 3×10^{10} m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q752. 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.

Q753. The currency of Japan is

- (A) Yen
- (B) Dollar
- (C) Yuan
- (D) Won

Answer: A

Explanation: Japan uses the yen.

Q754. 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.

Q755. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Chloroplast
- (D) Mitochondrion

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q756. 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.

Q757. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Arctic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q758. The chemical symbol for sodium is

- (A) So
- (B) N
- (C) Na
- (D) S

Answer: C

Explanation: Na comes from the Latin name natrium.

Q759. The chemical symbol for sodium is

- (A) S
- (B) So
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q760. The SI unit of force is

- (A) joule
- (B) watt
- (C) newton
- (D) pascal

Answer: C

Explanation: Force is measured in newtons (N).

Q761. The largest ocean on Earth is

- (A) Indian Ocean
- (B) Pacific Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q762. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) Chennai
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q763. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q764. The currency of Japan is

- (A) Yuan
- (B) Dollar
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q765. The chemical symbol for sodium is

- (A) S
- (B) So
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q766. The SI unit of force is

- (A) joule
- (B) watt
- (C) pascal
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q767. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q768. The SI unit of force is

- (A) pascal
- (B) newton
- (C) watt
- (D) joule

Answer: B

Explanation: Force is measured in newtons (N).

Q769. The SI unit of force is

- (A) newton
- (B) watt
- (C) pascal
- (D) joule

Answer: A

Explanation: Force is measured in newtons (N).

Q770. 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.

Q771. The capital of India is

- (A) Mumbai
- (B) Kolkata
- (C) New Delhi
- (D) Chennai

Answer: C

Explanation: New Delhi is the capital of India.

Q772. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q773. 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.

Q774. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Bankim Chandra Chattopadhyay
- (C) Subramania Bharati
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q775. The SI unit of force is

- (A) newton
- (B) joule
- (C) pascal
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q776. The fundamental unit of life is

- (A) atom
- (B) cell
- (C) organ
- (D) tissue

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q777. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^6 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q778. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Nucleus
- (C) Ribosome
- (D) Mitochondrion

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q779. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Bankim Chandra Chattopadhyay
- (C) Subramania Bharati
- (D) Sarojini Naidu

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q780. 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.

Q781. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Chloroplast
- (D) Mitochondrion

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q782. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Rabindranath Tagore
- (C) Sarojini Naidu
- (D) Subramania Bharati

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q783. 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.

Q784. 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.

Q785. The chemical symbol for sodium is

- (A) S
- (B) So
- (C) Na
- (D) N

Answer: C

Explanation: Na comes from the Latin name natrium.

Q786. 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.

Q787. The SI unit of force is

- (A) newton
- (B) pascal
- (C) joule
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q788. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Platelets
- (C) Plasma cells
- (D) White blood cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q789. The Parliament of India consists of

- (A) Lok Sabha only
- (B) Lok Sabha and Rajya Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) President and Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q790. The planet known as the Red Planet is

- (A) Venus
- (B) Mars
- (C) Mercury
- (D) Jupiter

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q791. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Rabindranath Tagore
- (C) Sarojini Naidu
- (D) Bankim Chandra Chattopadhyay

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q792. 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.

Q793. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^6 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q794. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Rabindranath Tagore
- (C) Sarojini Naidu
- (D) Bankim Chandra Chattopadhyay

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q795. The chemical symbol for sodium is

- (A) So
- (B) S
- (C) Na
- (D) N

Answer: C

Explanation: Na comes from the Latin name natrium.

Q796. The currency of Japan is

- (A) Won
- (B) Yuan
- (C) Dollar
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q797. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Mitochondrion
- (C) Chloroplast
- (D) Ribosome

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q798. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Oxygen
- (C) Carbon dioxide
- (D) Hydrogen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q799. The chemical symbol for sodium is

- (A) So
- (B) S
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q800. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Chloroplast
- (D) Mitochondrion

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

General Science

Q801. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) KCl
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q802. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 98 m/s^2
- (C) 3.0 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q803. 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.

Q804. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q805. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q806. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q807. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q808. 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.

Q809. 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.

Q810. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q811. 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 $V = IR$.

Q812. The unit of electric power is

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q813. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q814. 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 $V = IR$.

Q815. 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.

Q816. 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.

Q817. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 9.8 m/s^2
- (D) 0.98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q818. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) CaCO_3
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q819. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q820. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) KCl
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q821. 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 $V = IR$.

Q822. The chemical formula of common salt is

- (A) CaCO_3
- (B) Na_2CO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q823. 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 $V = IR$.

Q824. 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 $V = IR$.

Q825. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q826. 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 $V = IR$.

Q827. 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 $V = IR$.

Q828. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 0.98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q829. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q830. 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 $V = IR$.

Q831. Which particle has a negative electric charge?

- (A) electron
- (B) proton
- (C) alpha particle
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q832. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 7
- (C) 0
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q833. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 7
- (D) 1

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q834. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q835. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q836. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q837. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q838. 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 $V = IR$.

Q839. 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.

Q840. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q841. 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.

Q842. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl.

Q843. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q844. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 7
- (C) 0
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q845. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin C

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q846. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q847. 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.

Q848. 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 $V = IR$.

Q849. The unit of electric power is

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q850. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 98 m/s^2
- (C) 3.0 m/s^2
- (D) 0.98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q851. 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 $V = IR$.

Q852. The unit of electric power is

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q853. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) KCl
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q854. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) alpha particle
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q855. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q856. 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 $V = IR$.

Q857. 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.

Q858. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 98 m/s^2
- (C) 3.0 m/s^2
- (D) 0.98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q859. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q860. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q861. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q862. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q863. 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 $V = IR$.

Q864. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) KCl
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q865. 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 $V = IR$.

Q866. 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.

Q867. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q868. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q869. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q870. 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.

Q871. The chemical formula of common salt is

- (A) KCl
- (B) NaCl
- (C) Na₂CO₃
- (D) CaCO₃

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q872. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q873. The chemical formula of common salt is

- (A) CaCO₃
- (B) KCl
- (C) Na₂CO₃
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q874. 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.

Q875. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q876. 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.

Q877. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q878. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q879. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) CaCO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q880. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) neutron
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q881. 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 $V = IR$.

Q882. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q883. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 0.98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q884. The unit of electric power is

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q885. 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 $V = IR$.

Q886. 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 $V = IR$.

Q887. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q888. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 0.98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q889. 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 $V = IR$.

Q890. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin C

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q891. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) CaCO_3
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q892. 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 $V = IR$.

Q893. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl.

Q894. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) KCl
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q895. 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.

Q896. The unit of electric power is

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q897. The unit of electric power is

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q898. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) KCl
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q899. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q900. The chemical formula of common salt is

- (A) CaCO_3
- (B) Na_2CO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q901. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q902. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q903. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q904. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q905. 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.

Q906. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q907. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q908. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q909. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q910. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q911. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q912. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) alpha particle
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q913. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 0.98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q914. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) KCl
- (D) Na_2CO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q915. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q916. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q917. The unit of electric power is

- (A) watt
- (B) ampere
- (C) volt
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q918. 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 $V = IR$.

Q919. 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.

Q920. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q921. 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.

Q922. 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 $V = IR$.

Q923. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q924. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q925. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) KCl
- (D) Na₂CO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q926. 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 $V = IR$.

Q927. 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 $V = IR$.

Q928. 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.

Q929. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q930. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s²
- (B) 98 m/s²
- (C) 0.98 m/s²
- (D) 9.8 m/s²

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q931. 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.

Q932. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) Na₂CO₃
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q933. 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.

Q934. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q935. The unit of electric power is

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q936. The chemical formula of common salt is

- (A) CaCO₃
- (B) NaCl
- (C) KCl
- (D) Na₂CO₃

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q937. 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.

Q938. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 14
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q939. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q940. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q941. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q942. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) proton
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q943. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q944. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) CaCO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q945. 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.

Q946. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 7
- (D) 1

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q947. The unit of electric power is

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q948. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q949. 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.

Q950. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q951. Which particle has a negative electric charge?

- (A) electron
- (B) neutron
- (C) proton
- (D) alpha particle

Answer: A

Explanation: Electrons carry negative charge.

Q952. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) KCl
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q953. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q954. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q955. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q956. 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 $V = IR$.

Q957. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q958. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 0.98 m/s^2
- (C) 98 m/s^2
- (D) 3.0 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q959. 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.

Q960. 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 $V = IR$.

Q961. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q962. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q963. The chemical formula of common salt is

- (A) CaCO_3
- (B) Na_2CO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q964. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q965. 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 $V = IR$.

Q966. 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.

Q967. 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.

Q968. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q969. 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.

Q970. 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 $V = IR$.

Q971. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q972. The unit of electric power is

- (A) watt
- (B) ampere
- (C) volt
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q973. 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.

Q974. 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 $V = IR$.

Q975. 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.

Q976. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q977. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q978. 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.

Q979. 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.

Q980. The unit of electric power is

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q981. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q982. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) KCl
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q983. 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 $V = IR$.

Q984. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q985. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q986. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q987. The unit of electric power is

- (A) volt
- (B) watt
- (C) ohm
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q988. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q989. 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 $V = IR$.

Q990. 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.

Q991. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q992. 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 $V = IR$.

Q993. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q994. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q995. 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.

Q996. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q997. 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 $V = IR$.

Q998. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q999. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) CaCO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q1000. 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.

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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