

EXAMGURUX

RRB ALP 2026 - CBT 1

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 ALP official notice / latest available CBT-1 syllabus

Coverage note: Designed for common CBT-1 preparation. Later stages may include additional technical/trade-specific requirements.

Section	Questions
Mathematics	300
Mental Ability	300
General Science	250
General Awareness	150

Mathematics

Q1. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

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

Answer: C

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

Q2. An item costs Rs. 400. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q3. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

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

Answer: C

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

Q4. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

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

Answer: C

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

Q5. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q6. Two quantities are in the ratio 4:5. If their total is 108, what is the first quantity?

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

Answer: B

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

Q7. Find the average of 37, 15, 12, 36, 20.

- (A) 22
- (B) 24
- (C) 30.0
- (D) 26

Answer: B

Explanation: Average = sum / count = $120/5 = 24$.

Q8. An item costs Rs. 600. At a profit of 20%, what is the selling price?

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

Answer: B

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

Q9. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

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

Answer: B

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

Q10. An item costs Rs. 600. At a profit of 10%, what is the selling price?

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

Answer: D

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

Q11. Find the average of 21, 56, 53, 72, 29.

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

Answer: B

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

Q12. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

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

Answer: C

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

Q13. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

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

Answer: C

Explanation: Distance = speed x time = $40 \times 3.5 = 140$ km.

Q14. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

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

Answer: C

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

Q15. Find the simple interest on Rs. 1500 at 10% per annum for 4 years.

- (A) 450
- (B) 750
- (C) 600
- (D) 150

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 10 \times 4}{100} = \text{Rs. } 600$.

Q16. An item costs Rs. 240. At a profit of 10%, what is the selling price?

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

Answer: A

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

Q17. Find the average of 65, 10, 56, 21, 51.

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

Answer: B

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

Q18. An item costs Rs. 300. At a profit of 15%, what is the selling price?

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

Answer: C

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

Q19. An item costs Rs. 300. At a profit of 20%, what is the selling price?

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

Answer: C

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

Q20. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

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

Answer: C

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

Q21. An item costs Rs. 750. At a profit of 30%, what is the selling price?

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

Answer: D

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

Q22. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 24
- (B) 5.0
- (C) 7.5
- (D) 18.0

Answer: B

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q23. An item costs Rs. 250. At a profit of 15%, what is the selling price?

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

Answer: A

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

Q24. Find the average of 53, 65, 43, 10, 22.

- (A) 38.6
- (B) 48.2
- (C) 36.6
- (D) 40.6

Answer: A

Explanation: Average = sum / count = $193/5 = 38.6$.

Q25. Find the simple interest on Rs. 5000 at 12% per annum for 2 years.

- (A) 600
- (B) 1700
- (C) 1200
- (D) 700

Answer: C

Explanation: $SI = \frac{PRT}{100} = 5000 \times 12 \times 2/100 = \text{Rs. } 1200$.

Q26. A can finish a work in 6 days and B in 24 days. In how many days can they finish it together?

- (A) 4.8
- (B) 15.0
- (C) 18
- (D) 8.0

Answer: A

Explanation: Combined rate = $1/6 + 1/24 = (30)/144$; time = $144/30 = 4.8$ days.

Q27. Find the simple interest on Rs. 5000 at 12% per annum for 4 years.

- (A) 2900
- (B) 2400
- (C) 1900
- (D) 600

Answer: B

Explanation: $SI = \frac{PRT}{100} = 5000 \times 12 \times 4/100 = \text{Rs. } 2400$.

Q28. What is 12.5% of 800?

- (A) 140.0
- (B) 180.0
- (C) 60.0
- (D) 100

Answer: D

Explanation: $12.5\% \text{ of } 800 = (12.5/100) \times 800 = 100$.

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

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

Answer: C

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

Q30. What is 20% of 160?

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

Answer: A

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

Q31. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

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

Answer: C

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

Q32. Find the simple interest on Rs. 2000 at 6% per annum for 3 years.

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

Answer: A

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

Q33. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

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

Answer: A

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

Q34. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q35. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

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

Answer: B

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

Q36. An item costs Rs. 250. At a profit of 10%, what is the selling price?

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

Answer: B

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

Q37. What is 10% of 150?

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

Answer: D

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

Q38. An item costs Rs. 320. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q39. What is 30% of 450?

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

Answer: B

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

Q40. An item costs Rs. 200. At a profit of 12%, what is the selling price?

- (A) 212
- (B) 224
- (C) 904
- (D) 176.0

Answer: B

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

Q41. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

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

Answer: C

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

Q42. Find the average of 11, 41, 71, 46, 30.

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

Answer: B

Explanation: Average = sum / count = $199/5 = 39.8$.

Q43. What is 25% of 300?

- (A) 90.0
- (B) 105.0
- (C) 75
- (D) 60.0

Answer: C

Explanation: $25\% \text{ of } 300 = (25/100) \times 300 = 75$.

Q44. 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) 16.0
- (C) 30.0
- (D) 7.5

Answer: D

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

Q45. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

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

Answer: D

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

Q46. What is 12.5% of 150?

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

Answer: A

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

Q47. 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) 15.0
- (D) 20

Answer: A

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

Q48. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q49. An item costs Rs. 600. At a profit of 12%, what is the selling price?

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

Answer: A

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

Q50. Find the average of 23, 57, 28, 11, 58.

- (A) 44.2
- (B) 33.4
- (C) 37.4
- (D) 35.4

Answer: D

Explanation: Average = sum / count = $177/5 = 35.4.$

Q51. Find the simple interest on Rs. 5000 at 8% per annum for 2 years.

- (A) 300
- (B) 800
- (C) 400
- (D) 1300

Answer: B

Explanation: $SI = PRT/100 = 5000 \times 8 \times 2/100 = \text{Rs. } 800.$

Q52. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.

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

Answer: C

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

Q53. An item costs Rs. 200. At a profit of 10%, what is the selling price?

- (A) 656
- (B) 180.0
- (C) 210
- (D) 220

Answer: D

Explanation: Selling price = $200 \times (1 + 10/100) = \text{Rs. } 220.$

Q54. An item costs Rs. 250. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q55. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 8.57
- (B) 120.0
- (C) 33.5
- (D) 105

Answer: D

Explanation: Distance = speed x time = $30 \times 3.5 = 105$ km.

Q56. Find the simple interest on Rs. 5000 at 6% per annum for 3 years.

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

Answer: A

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

Q57. Find the simple interest on Rs. 3000 at 5% per annum for 2 years.

- (A) 150
- (B) 600
- (C) 1
- (D) 300

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 2}{100} = \text{Rs. } 300$.

Q58. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 13.5
- (B) 6.67
- (C) 60.0
- (D) 3

Answer: B

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{15} = \frac{27}{180}$; time = $\frac{180}{27} = 6.67$ days.

Q59. What is 15% of 250?

- (A) 37.5
- (B) 50.0
- (C) 25.0
- (D) 62.5

Answer: A

Explanation: 15% of 250 = $\frac{15}{100} \times 250 = 37.5$.

Q60. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.

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

Answer: D

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

Q61. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

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

Answer: C

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

Q62. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 6.67
- (B) 3
- (C) 13.5
- (D) 60.0

Answer: A

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

Q63. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 60.0
- (B) 3
- (C) 13.5
- (D) 6.67

Answer: D

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

Q64. Two quantities are in the ratio 5:7. If their total is 216, what is the first quantity?

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

Answer: B

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

Q65. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q66. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

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

Answer: A

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

Q67. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

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

Answer: A

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

Q68. Find the simple interest on Rs. 2000 at 12% per annum for 2 years.

- (A) 280
- (B) 680
- (C) 480
- (D) 240

Answer: C

Explanation: $SI = PRT/100 = 2000 \times 12 \times 2/100 = \text{Rs. } 480$.

Q69. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

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

Answer: B

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

Q70. An item costs Rs. 400. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q71. A can finish a work in 18 days and B in 30 days. In how many days can they finish it together?

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

Answer: C

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

Q72. Find the average of 23, 74, 24, 46, 74.

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

Answer: D

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

Q73. Find the average of 77, 44, 12, 71, 64.

- (A) 53.6
- (B) 55.6
- (C) 51.6
- (D) 67.0

Answer: A

Explanation: Average = sum / count = $268/5 = 53.6$.

Q74. An item costs Rs. 320. At a profit of 30%, what is the selling price?

- (A) 416
- (B) 224.0
- (C) 380
- (D) 350

Answer: A

Explanation: Selling price = $320 \times (1 + 30/100) = \text{Rs. } 416$.

Q75. An item costs Rs. 250. At a profit of 25%, what is the selling price?

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

Answer: C

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

Q76. Find the average of 26, 24, 78, 67, 54.

- (A) 49.8
- (B) 47.8
- (C) 51.8
- (D) 62.2

Answer: A

Explanation: Average = sum / count = $249/5 = 49.8$.

Q77. Two quantities are in the ratio 5:7. If their total is 132, what is the first quantity?

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

Answer: C

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

Q78. Two quantities are in the ratio 4:5. If their total is 36, what is the first quantity?

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

Answer: B

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

Q79. Find the simple interest on Rs. 1000 at 12% per annum for 2 years.

- (A) 240
- (B) 140
- (C) 120
- (D) 340

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 12 \times 2}{100} = \text{Rs. } 240$.

Q80. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 15.0
- (B) 6
- (C) 36.0
- (D) 7.2

Answer: D

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{18} = \frac{30}{216}$; time = $\frac{216}{30} = 7.2$ days.

Q81. Find the simple interest on Rs. 4000 at 8% per annum for 3 years.

- (A) 320
- (B) 560
- (C) 1360
- (D) 960

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 8 \times 3}{100} = \text{Rs. } 960$.

Q82. An item costs Rs. 500. At a profit of 12%, what is the selling price?

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

Answer: B

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

Q83. Find the average of 21, 19, 31, 32, 58.

- (A) 40.2
- (B) 34.2
- (C) 30.2
- (D) 32.2

Answer: D

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{161}{5} = 32.2$.

Q84. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

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

Answer: C

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

Q85. What is 15% of 360?

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

Answer: B

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

Q86. Find the average of 63, 61, 13, 34, 34.

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

Answer: B

Explanation: $\text{Average} = \text{sum} / \text{count} = 205/5 = 41.$

Q87. Two quantities are in the ratio 4:5. If their total is 99, what is the first quantity?

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

Answer: C

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

Q88. What is 40% of 500?

- (A) 250.0
- (B) 175.0
- (C) 225.0
- (D) 200

Answer: D

Explanation: $40\% \text{ of } 500 = (40/100) \times 500 = 200.$

Q89. A can finish a work in 20 days and B in 30 days. In how many days can they finish it together?

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

Answer: B

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

Q90. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

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

Answer: C

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

Q91. Two quantities are in the ratio 3:5. If their total is 56, what is the first quantity?

- (A) 35
- (B) 14
- (C) 21
- (D) 56

Answer: C

Explanation: Total parts = 8. One part = $56/8 = 7$; first quantity = $3 \times 7 = 21$.

Q92. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q93. Two quantities are in the ratio 5:7. If their total is 168, what is the first quantity?

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

Answer: D

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

Q94. Find the simple interest on Rs. 1200 at 5% per annum for 3 years.

- (A) 60
- (B) 180
- (C) 300
- (D) 770

Answer: B

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

Q95. Find the simple interest on Rs. 1200 at 12% per annum for 2 years.

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

Answer: C

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

Q96. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

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

Answer: B

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

Q97. 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) 25.0
- (C) 10
- (D) 12.0

Answer: D

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{30} = \frac{50}{600}$; time = $\frac{600}{50} = 12.0$ days.

Q98. An item costs Rs. 300. At a profit of 20%, what is the selling price?

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

Answer: D

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

Q99. Two quantities are in the ratio 3:5. If their total is 40, what is the first quantity?

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

Answer: B

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

Q100. What is 60% of 300?

- (A) 165.0
- (B) 180
- (C) 210.0
- (D) 195.0

Answer: B

Explanation: 60% of 300 = $(\frac{60}{100}) \times 300 = 180$.

Q101. Find the simple interest on Rs. 2000 at 8% per annum for 3 years.

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

Answer: D

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

Q102. What is 20% of 250?

- (A) 75.0
- (B) 50
- (C) 62.5
- (D) 37.5

Answer: B

Explanation: 20% of 250 = $(\frac{20}{100}) \times 250 = 50$.

Q103. Find the average of 55, 18, 16, 53, 27.

- (A) 33.8
- (B) 31.8
- (C) 35.8
- (D) 42.2

Answer: A

Explanation: Average = sum / count = $169/5 = 33.8$.

Q104. Find the simple interest on Rs. 1000 at 6% per annum for 4 years.

- (A) 60
- (B) 240
- (C) 140
- (D) 340

Answer: B

Explanation: $SI = \frac{PRT}{100} = 1000 \times 6 \times 4/100 = \text{Rs. } 240$.

Q105. Find the simple interest on Rs. 5000 at 5% per annum for 3 years.

- (A) 250
- (B) 1250
- (C) 750
- (D) 919

Answer: C

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

Q106. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.

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

Answer: B

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

Q107. Find the average of 53, 65, 58, 80, 48.

- (A) 62.8
- (B) 76.0
- (C) 60.8
- (D) 58.8

Answer: C

Explanation: Average = sum / count = $304/5 = 60.8$.

Q108. 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 = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q109. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

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

Answer: A

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

Q110. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

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

Answer: C

Explanation: Distance = speed x time = $40 \times 3.5 = 140$ km.

Q111. An item costs Rs. 800. At a profit of 12%, what is the selling price?

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

Answer: D

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

Q112. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

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

Answer: C

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

Q113. Find the simple interest on Rs. 3000 at 5% per annum for 3 years.

- (A) 150
- (B) 498
- (C) 450
- (D) 750

Answer: C

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

Q114. Find the average of 16, 44, 59, 63, 16.

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

Answer: B

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

Q115. An item costs Rs. 200. At a profit of 20%, what is the selling price?

- (A) 220
- (B) 240
- (C) 917
- (D) 160.0

Answer: B

Explanation: Selling price = $200 \times (1 + 20/100) = \text{Rs. } 240$.

Q116. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?

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

Answer: C

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

Q117. Two quantities are in the ratio 3:4. If their total is 126, what is the first quantity?

- (A) 18
- (B) 54
- (C) 126
- (D) 72

Answer: B

Explanation: Total parts = 7. One part = $126/7 = 18$; first quantity = $3 \times 18 = 54$.

Q118. Find the simple interest on Rs. 1000 at 5% per annum for 3 years.

- (A) 150
- (B) 821
- (C) 250
- (D) 50

Answer: A

Explanation: $SI = \frac{PRT}{100} = 1000 \times 5 \times 3/100 = \text{Rs. } 150$.

Q119. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 64
- (B) 112
- (C) 16
- (D) 48

Answer: D

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q120. Two quantities are in the ratio 5:7. If their total is 192, what is the first quantity?

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

Answer: B

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

Q121. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

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

Answer: A

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

Q122. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 90
- (B) 10
- (C) 40
- (D) 50

Answer: C

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q123. Find the simple interest on Rs. 2500 at 10% per annum for 2 years.

- (A) 750
- (B) 500
- (C) 250
- (D) 998

Answer: B

Explanation: $SI = PRT/100 = 2500 \times 10 \times 2/100 = \text{Rs. } 500$.

Q124. What is 75% of 240?

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

Answer: C

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

Q125. Find the simple interest on Rs. 1200 at 8% per annum for 3 years.

- (A) 168
- (B) 96
- (C) 408
- (D) 288

Answer: D

Explanation: $SI = PRT/100 = 1200 \times 8 \times 3/100 = \text{Rs. } 288$.

Q126. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

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

Answer: A

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

Q127. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

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

Answer: A

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

Q128. Find the simple interest on Rs. 1200 at 10% per annum for 2 years.

- (A) 120
- (B) 360
- (C) 646
- (D) 240

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 10 \times 2}{100} = \text{Rs. } 240$.

Q129. Find the simple interest on Rs. 4000 at 5% per annum for 4 years.

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

Answer: D

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

Q130. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 200
- (B) 54
- (C) 12.5
- (D) 225.0

Answer: A

Explanation: Distance = speed $\times$ time = $50 \times 4 = 200$ km.

Q131. Find the simple interest on Rs. 3000 at 6% per annum for 2 years.

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

Answer: A

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

Q132. Find the simple interest on Rs. 1000 at 10% per annum for 4 years.

- (A) 500
- (B) 300
- (C) 400
- (D) 100

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 10 \times 4}{100} = \text{Rs. } 400$.

Q133. What is 20% of 240?

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

Answer: C

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

Q134. Find the simple interest on Rs. 2000 at 12% per annum for 4 years.

- (A) 1160
- (B) 760
- (C) 960
- (D) 240

Answer: C

Explanation: $SI = PRT/100 = 2000 \times 12 \times 4/100 = \text{Rs. } 960.$

Q135. What is 50% of 250?

- (A) 112.5
- (B) 150.0
- (C) 137.5
- (D) 125

Answer: D

Explanation: $50\% \text{ of } 250 = (50/100) \times 250 = 125.$

Q136. Two quantities are in the ratio 7:9. If their total is 288, what is the first quantity?

- (A) 36
- (B) 288
- (C) 126
- (D) 162

Answer: C

Explanation: Total parts = 16. One part = $288/16 = 18$; first quantity = $7 \times 18 = 126.$

Q137. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

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

Answer: C

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

Q138. Find the average of 71, 54, 56, 67, 77.

- (A) 67
- (B) 65
- (C) 81.2
- (D) 63

Answer: B

Explanation: Average = sum / count = $325/5 = 65.$

Q139. What is 35% of 750?

- (A) 262.5
- (B) 337.5
- (C) 300.0
- (D) 225.0

Answer: A

Explanation: $35\% \text{ of } 750 = (35/100) \times 750 = 262.5$.

Q140. Find the average of 48, 73, 43, 39, 78.

- (A) 54.2
- (B) 58.2
- (C) 56.2
- (D) 70.2

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 281/5 = 56.2$.

Q141. Find the average of 15, 16, 57, 61, 27.

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

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 176/5 = 35.2$.

Q142. Find the average of 37, 73, 56, 11, 53.

- (A) 57.5
- (B) 46
- (C) 44
- (D) 48

Answer: B

Explanation: $\text{Average} = \text{sum} / \text{count} = 230/5 = 46$.

Q143. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

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

Answer: B

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

Q144. An item costs Rs. 200. At a profit of 25%, what is the selling price?

- (A) 150.0
- (B) 250
- (C) 225
- (D) 519

Answer: B

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

Q145. 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) 270.0
- (C) 3
- (D) 16.5

Answer: A

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

Q146. Find the simple interest on Rs. 2000 at 10% per annum for 2 years.

- (A) 200
- (B) 216
- (C) 400
- (D) 600

Answer: C

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

Q147. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 75.0
- (B) 32
- (C) 15.0
- (D) 60

Answer: D

Explanation: Distance = speed $\times$ time = $30 \times 2 = 60$ km.

Q148. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

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

Answer: B

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

Q149. Find the average of 36, 43, 55, 32, 49.

- (A) 53.8
- (B) 43
- (C) 45
- (D) 41

Answer: B

Explanation: Average = sum / count = $215/5 = 43$.

Q150. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

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

Answer: D

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

Q151. An item costs Rs. 500. At a profit of 12%, what is the selling price?

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

Answer: A

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

Q152. 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) 30.0
- (C) 8
- (D) 16.0

Answer: A

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

Q153. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

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

Answer: A

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

Q154. What is 40% of 450?

- (A) 225.0
- (B) 202.5
- (C) 157.5
- (D) 180

Answer: D

Explanation: 40% of 450 = $(40/100) \times 450 = 180$.

Q155. What is 40% of 300?

- (A) 135.0
- (B) 120
- (C) 105.0
- (D) 150.0

Answer: B

Explanation: 40% of 300 = $(40/100) \times 300 = 120$.

Q156. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

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

Answer: C

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

Q157. 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 x time = $54 \times 2 = 108$ km.

Q158. Find the simple interest on Rs. 5000 at 6% per annum for 3 years.

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

Answer: A

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

Q159. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q160. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

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

Answer: A

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

Q161. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 16
- (B) 64
- (C) 112
- (D) 48

Answer: D

Explanation: Total parts = 7. One part = $\frac{112}{7} = 16$; first quantity = $3 \times 16 = 48$.

Q162. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

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

Answer: D

Explanation: Combined rate = $\frac{1}{15} + \frac{1}{15} = \frac{30}{225}$; time = $\frac{225}{30} = 7.5$ days.

Q163. Find the average of 60, 48, 41, 57, 69.

- (A) 55
- (B) 57
- (C) 53
- (D) 68.8

Answer: A

Explanation: Average = sum / count = $275/5 = 55$.

Q164. A vehicle travels at 45 km/h for 2 hours. What distance does it cover?

- (A) 47
- (B) 112.5
- (C) 90
- (D) 22.5

Answer: C

Explanation: Distance = speed x time = $45 \times 2 = 90$ km.

Q165. Find the average of 49, 17, 31, 24, 13.

- (A) 28.8
- (B) 24.8
- (C) 33.5
- (D) 26.8

Answer: D

Explanation: Average = sum / count = $134/5 = 26.8$.

Q166. What is 25% of 320?

- (A) 64.0
- (B) 112.0
- (C) 96.0
- (D) 80

Answer: D

Explanation: 25% of 320 = $(25/100) \times 320 = 80$.

Q167. Find the simple interest on Rs. 2000 at 5% per annum for 4 years.

- (A) 400
- (B) 100
- (C) 600
- (D) 200

Answer: A

Explanation: SI = $PRT/100 = 2000 \times 5 \times 4/100 = \text{Rs. } 400$.

Q168. An item costs Rs. 750. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q169. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

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

Answer: A

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

Q170. Find the average of 33, 15, 21, 34, 20.

- (A) 30.8
- (B) 26.6
- (C) 24.6
- (D) 22.6

Answer: C

Explanation: Average = sum / count = $123/5 = 24.6$.

Q171. Two quantities are in the ratio 3:4. If their total is 105, what is the first quantity?

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

Answer: A

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

Q172. An item costs Rs. 250. At a profit of 25%, what is the selling price?

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

Answer: C

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

Q173. An item costs Rs. 200. At a profit of 20%, what is the selling price?

- (A) 220
- (B) 929
- (C) 240
- (D) 160.0

Answer: C

Explanation: Selling price = $200 \times (1 + 20/100) = \text{Rs. } 240$.

Q174. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

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

Answer: D

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

Q175. Two quantities are in the ratio 4:5. If their total is 63, what is the first quantity?

- (A) 63
- (B) 7
- (C) 28
- (D) 35

Answer: C

Explanation: Total parts = 9. One part = $63/9 = 7$; first quantity = $4 \times 7 = 28$.

Q176. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

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

Answer: C

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

Q177. What is 10% of 800?

- (A) 160.0
- (B) 80
- (C) 40.0
- (D) 120.0

Answer: B

Explanation: 10% of 800 = $(10/100) \times 800 = 80$.

Q178. Find the simple interest on Rs. 1200 at 12% per annum for 2 years.

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

Answer: D

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

Q179. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

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

Answer: C

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

Q180. 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 = $4 \times 11 = 44$.

Q181. Find the average of 51, 28, 52, 10, 34.

- (A) 33
- (B) 43.8
- (C) 37
- (D) 35

Answer: D

Explanation: Average = sum / count = $175/5 = 35$.

Q182. What is 10% of 160?

- (A) 32.0
- (B) 8.0
- (C) 16
- (D) 24.0

Answer: C

Explanation: 10% of 160 = $(10/100) \times 160 = 16$.

Q183. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

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

Answer: A

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

Q184. A vehicle travels at 50 km/h for 2 hours. What distance does it cover?

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

Answer: A

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

Q185. Find the simple interest on Rs. 2500 at 12% per annum for 2 years.

- (A) 600
- (B) 300
- (C) 850
- (D) 350

Answer: A

Explanation: SI = $PRT/100 = 2500 \times 12 \times 2/100 = \text{Rs. } 600$.

Q186. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

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

Answer: A

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

Q187. An item costs Rs. 600. At a profit of 20%, what is the selling price?

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

Answer: C

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

Q188. Find the average of 13, 15, 47, 20, 64.

- (A) 31.8
- (B) 33.8
- (C) 29.8
- (D) 39.8

Answer: A

Explanation: Average = sum / count = $159/5 = 31.8$.

Q189. 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 = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q190. Two quantities are in the ratio 7:9. If their total is 192, what is the first quantity?

- (A) 84
- (B) 24
- (C) 192
- (D) 108

Answer: A

Explanation: Total parts = 16. One part = $192/16 = 12$; first quantity = $7 \times 12 = 84$.

Q191. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 120.0
- (B) 105
- (C) 8.57
- (D) 33.5

Answer: B

Explanation: Distance = speed $\times$ time = $30 \times 3.5 = 105$ km.

Q192. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

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

Answer: B

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

Q193. What is 12.5% of 500?

- (A) 37.5
- (B) 62.5
- (C) 112.5
- (D) 87.5

Answer: B

Explanation: $12.5\% \text{ of } 500 = (12.5/100) \times 500 = 62.5$.

Q194. What is 75% of 450?

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

Answer: D

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

Q195. Find the average of 67, 64, 52, 75, 68.

- (A) 65.2
- (B) 63.2
- (C) 67.2
- (D) 81.5

Answer: A

Explanation: Average = sum / count = $326/5 = 65.2$.

Q196. Two quantities are in the ratio 3:4. If their total is 42, what is the first quantity?

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

Answer: C

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

Q197. What is 35% of 300?

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

Answer: D

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

Q198. Find the average of 62, 43, 49, 15, 38.

- (A) 51.8
- (B) 43.4
- (C) 41.4
- (D) 39.4

Answer: C

Explanation: Average = sum / count = $207/5 = 41.4$.

Q199. A vehicle travels at 40 km/h for 2.5 hours. What distance does it cover?

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

Answer: C

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

Q200. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

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

Answer: D

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

Q201. What is 5% of 480?

- (A) 72.0
- (B) 24
- (C) 48.0
- (D) 0

Answer: B

Explanation: 5% of 480 = $(5/100) \times 480 = 24$.

Q202. Find the simple interest on Rs. 5000 at 12% per annum for 3 years.

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

Answer: D

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

Q203. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 6
- (B) 7.2
- (C) 36.0
- (D) 15.0

Answer: B

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

Q204. What is 12.5% of 120?

- (A) 21.0
- (B) 9.0
- (C) 15
- (D) 27.0

Answer: C

Explanation: 12.5% of 120 = $(12.5/100) \times 120 = 15$.

Q205. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

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

Answer: C

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

Q206. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

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

Answer: D

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

Q207. 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 = $500 \times (1 + 25/100) = \text{Rs. } 625$.

Q208. What is 10% of 150?

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

Answer: C

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

Q209. Two quantities are in the ratio 3:5. If their total is 56, what is the first quantity?

- (A) 56
- (B) 14
- (C) 35
- (D) 21

Answer: D

Explanation: Total parts = 8. One part = $56/8 = 7$; first quantity = $3 \times 7 = 21$.

Q210. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

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

Answer: B

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

Q211. Find the simple interest on Rs. 1200 at 5% per annum for 4 years.

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

Answer: B

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

Q212. Find the average of 42, 22, 28, 18, 25.

- (A) 29
- (B) 27
- (C) 33.8
- (D) 25

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{135}{5} = 27$.

Q213. An item costs Rs. 320. At a profit of 15%, what is the selling price?

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

Answer: C

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

Q214. What is 75% of 450?

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

Answer: B

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

Q215. What is 12.5% of 360?

- (A) 63.0
- (B) 27.0
- (C) 45
- (D) 81.0

Answer: C

Explanation: $12.5\% \text{ of } 360 = (\frac{12.5}{100}) \times 360 = 45$.

Q216. Two quantities are in the ratio 3:4. If their total is 77, what is the first quantity?

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

Answer: D

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

Q217. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

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

Answer: B

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

Q218. An item costs Rs. 800. At a profit of 10%, what is the selling price?

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

Answer: B

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

Q219. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

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

Answer: C

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

Q220. What is 35% of 400?

- (A) 180.0
- (B) 120.0
- (C) 140
- (D) 160.0

Answer: C

Explanation: 35% of 400 = $(35/100) \times 400 = 140$.

Q221. Find the simple interest on Rs. 1500 at 5% per annum for 4 years.

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

Answer: B

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

Q222. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

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

Answer: A

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

Q223. Find the average of 37, 12, 40, 43, 68.

- (A) 38
- (B) 50.0
- (C) 40
- (D) 42

Answer: C

Explanation: Average = sum / count = $200/5 = 40$.

Q224. Two quantities are in the ratio 3:4. If their total is 91, what is the first quantity?

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

Answer: C

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

Q225. An item costs Rs. 240. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q226. An item costs Rs. 240. At a profit of 30%, what is the selling price?

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

Answer: C

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

Q227. An item costs Rs. 800. At a profit of 20%, what is the selling price?

- (A) 820
- (B) 840
- (C) 640.0
- (D) 960

Answer: D

Explanation: Selling price = $800 \times (1 + 20/100) = \text{Rs. } 960$.

Q228. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q229. Find the average of 37, 18, 33, 28, 72.

- (A) 47.0
- (B) 39.6
- (C) 37.6
- (D) 35.6

Answer: C

Explanation: Average = sum / count = $188/5 = 37.6$.

Q230. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

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

Answer: A

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

Q231. What is 12.5% of 120?

- (A) 15
- (B) 27.0
- (C) 21.0
- (D) 9.0

Answer: A

Explanation: 12.5% of 120 = $(12.5/100) \times 120 = 15$.

Q232. Two quantities are in the ratio 5:7. If their total is 156, what is the first quantity?

- (A) 156
- (B) 26
- (C) 91
- (D) 65

Answer: D

Explanation: Total parts = 12. One part = $156/12 = 13$; first quantity = $5 \times 13 = 65$.

Q233. Find the simple interest on Rs. 1000 at 6% per annum for 3 years.

- (A) 280
- (B) 60
- (C) 180
- (D) 80

Answer: C

Explanation: $SI = PRT/100 = 1000 \times 6 \times 3/100 = \text{Rs. } 180$.

Q234. Find the simple interest on Rs. 5000 at 12% per annum for 2 years.

- (A) 1200
- (B) 1700
- (C) 700
- (D) 600

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 12 \times 2/100 = \text{Rs. } 1200$.

Q235. Find the simple interest on Rs. 5000 at 8% per annum for 4 years.

- (A) 2100
- (B) 1100
- (C) 1600
- (D) 400

Answer: C

Explanation: $SI = \frac{PRT}{100} = 5000 \times 8 \times 4/100 = \text{Rs. } 1600.$

Q236. An item costs Rs. 600. At a profit of 25%, what is the selling price?

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

Answer: C

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

Q237. What is 50% of 160?

- (A) 72.0
- (B) 96.0
- (C) 88.0
- (D) 80

Answer: D

Explanation: 50% of 160 = $(50/100) \times 160 = 80.$

Q238. 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 = $36 \times 2.5 = 90 \text{ km}.$

Q239. Find the average of 68, 47, 43, 47, 21.

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

Answer: D

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

Q240. Find the average of 35, 67, 72, 72, 10.

- (A) 49.2
- (B) 51.2
- (C) 53.2
- (D) 64.0

Answer: B

Explanation: Average = sum / count = $256/5 = 51.2.$

Q241. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 960
- (B) 560
- (C) 1360
- (D) 240

Answer: A

Explanation: $SI = \frac{PRT}{100} = 4000 \times 6 \times 4/100 = \text{Rs. } 960.$

Q242. Find the average of 60, 24, 43, 63, 78.

- (A) 51.6
- (B) 67.0
- (C) 55.6
- (D) 53.6

Answer: D

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = 268/5 = 53.6.$

Q243. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

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

Answer: B

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

Q244. Two quantities are in the ratio 5:7. If their total is 96, what is the first quantity?

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

Answer: B

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

Q245. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

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

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 50 \times 3.5 = 175 \text{ km}.$

Q246. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 252.0
- (B) 24.0
- (C) 216
- (D) 75

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 72 \times 3 = 216 \text{ km}.$

Q247. Find the average of 61, 27, 10, 71, 79.

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

Answer: B

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

Q248. Find the average of 15, 39, 16, 77, 11.

- (A) 39.5
- (B) 31.6
- (C) 29.6
- (D) 33.6

Answer: B

Explanation: Average = sum / count = $158/5 = 31.6$.

Q249. An item costs Rs. 320. At a profit of 15%, what is the selling price?

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

Answer: D

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

Q250. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

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

Answer: B

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

Q251. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 54
- (B) 12.5
- (C) 200
- (D) 225.0

Answer: C

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q252. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 9.0
- (B) 4.0
- (C) 12.0
- (D) 6

Answer: B

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q253. What is 35% of 160?

- (A) 48.0
- (B) 56
- (C) 72.0
- (D) 64.0

Answer: B

Explanation: $35\% \text{ of } 160 = (35/100) \times 160 = 56$.

Q254. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 15.0
- (B) 32
- (C) 60
- (D) 75.0

Answer: C

Explanation: Distance = speed $\times$ time = $30 \times 2 = 60$ km.

Q255. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q256. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 120.0
- (B) 33.5
- (C) 105
- (D) 8.57

Answer: C

Explanation: Distance = speed $\times$ time = $30 \times 3.5 = 105$ km.

Q257. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

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

Answer: B

Explanation: Combined rate = $1/15 + 1/15 = (20)/225$; time = $225/30 = 7.5$ days.

Q258. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

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

Answer: B

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

Q259. Two quantities are in the ratio 3:5. If their total is 64, what is the first quantity?

- (A) 24
- (B) 40
- (C) 16
- (D) 64

Answer: A

Explanation: Total parts = 8. One part = $64/8 = 8$; first quantity = $3 \times 8 = 24$.

Q260. What is 50% of 360?

- (A) 162.0
- (B) 180
- (C) 216.0
- (D) 198.0

Answer: B

Explanation: 50% of 360 = $(50/100) \times 360 = 180$.

Q261. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q262. Find the average of 19, 49, 46, 61, 49.

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

Answer: C

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

Q263. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

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

Answer: D

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

Q264. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

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

Answer: B

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

Q265. Find the simple interest on Rs. 2500 at 5% per annum for 4 years.

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

Answer: B

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

Q266. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 225.0
- (B) 54
- (C) 12.5
- (D) 200

Answer: D

Explanation: Distance = speed x time = $50 \times 4 = 200 \text{ km}.$

Q267. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

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

Answer: B

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

Q268. What is 30% of 300?

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

Answer: D

Explanation: 30% of 300 = $\frac{30}{100} \times 300 = 90.$

Q269. Find the average of 20, 22, 13, 42, 10.

- (A) 26.8
- (B) 23.4
- (C) 19.4
- (D) 21.4

Answer: D

Explanation: Average = sum / count = $107/5 = 21.4.$

Q270. Find the average of 19, 28, 43, 49, 74.

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

Answer: B

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

Q271. What is 35% of 400?

- (A) 140
- (B) 120.0
- (C) 180.0
- (D) 160.0

Answer: A

Explanation: $35\% \text{ of } 400 = (35/100) \times 400 = 140.$

Q272. Find the simple interest on Rs. 4000 at 5% per annum for 2 years.

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

Answer: A

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

Q273. An item costs Rs. 250. At a profit of 25%, what is the selling price?

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

Answer: C

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

Q274. What is 5% of 480?

- (A) 72.0
- (B) 48.0
- (C) 24
- (D) 0

Answer: C

Explanation: $5\% \text{ of } 480 = (5/100) \times 480 = 24.$

Q275. Find the average of 31, 80, 59, 58, 51.

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

Answer: D

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

Q276. Find the average of 12, 10, 65, 45, 34.

- (A) 33.2
- (B) 31.2
- (C) 35.2
- (D) 41.5

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 166/5 = 33.2.$

Q277. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

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

Answer: A

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

Q278. Two quantities are in the ratio 7:9. If their total is 112, what is the first quantity?

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

Answer: D

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

Q279. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 39.5
- (B) 126
- (C) 144.0
- (D) 10.29

Answer: B

Explanation: Distance = speed x time = $36 \times 3.5 = 126$ km.

Q280. What is 50% of 400?

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

Answer: C

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

Q281. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

- (A) 880
- (B) 80
- (C) 240
- (D) 480

Answer: D

Explanation: $SI = PRT/100 = 4000 \times 6 \times 2/100 = \text{Rs. } 480$.

Q282. An item costs Rs. 500. At a profit of 30%, what is the selling price?

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

Answer: D

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

Q283. An item costs Rs. 500. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q284. Find the average of 34, 42, 21, 67, 65.

- (A) 47.8
- (B) 57.2
- (C) 43.8
- (D) 45.8

Answer: D

Explanation: Average = sum / count = $229/5 = 45.8$.

Q285. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

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

Answer: A

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

Q286. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.

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

Answer: D

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

Q287. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

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

Answer: A

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

Q288. What is 30% of 200?

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

Answer: C

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

Q289. 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 = $800 \times (1 + 25/100) = \text{Rs. } 1000$.

Q290. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

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

Answer: A

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

Q291. Find the average of 39, 75, 42, 38, 15.

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

Answer: B

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

Q292. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

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

Answer: B

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

Q293. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

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

Answer: D

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

Q294. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

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

Answer: A

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

Q295. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

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

Answer: B

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

Q296. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?

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

Answer: C

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

Q297. An item costs Rs. 240. At a profit of 15%, what is the selling price?

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

Answer: B

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

Q298. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 36.0
- (B) 6
- (C) 15.0
- (D) 7.2

Answer: D

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

Q299. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?

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

Answer: A

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

Q300. A can finish a work in 18 days and B in 18 days. In how many days can they finish it together?

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

Answer: B

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

Mental Ability

Q301. Find the next number: 16, 25, 34, 43, 52, ?

- (A) 61
- (B) 52
- (C) 79
- (D) 70

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $52 + 9 = 61$.

Q302. Find the next number: 19, 24, 29, 34, 39, ?

- (A) 39
- (B) 44
- (C) 54
- (D) 49

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $39 + 5 = 44$.

Q303. Find the next number: 2, 7, 12, 17, 22, ?

- (A) 32
- (B) 37
- (C) 22
- (D) 27

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $22 + 5 = 27$.

Q304. 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.

Q305. 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.

Q306. Find the next number: 7, 12, 17, 22, 27, ?

- (A) 37
- (B) 27
- (C) 32
- (D) 42

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $27 + 5 = 32$.

Q307. 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.

Q308. Find the next number: 18, 21, 24, 27, 30, ?

- (A) 30
- (B) 36
- (C) 33
- (D) 39

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $30 + 3 = 33$.

Q309. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 8.71
- (B) 6.71
- (C) 3
- (D) 9

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q310. Find the next number: 19, 21, 23, 25, 27, ?

- (A) 33
- (B) 29
- (C) 27
- (D) 31

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $27 + 2 = 29$.

Q311. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 15.45
- (C) 13.45
- (D) 19

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q312. 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) 10.49
- (C) 0
- (D) 12

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q313. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) CODE
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q314. 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.

Q315. Find the next number: 16, 20, 24, 28, 32, ?

- (A) 32
- (B) 36
- (C) 40
- (D) 44

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $32 + 4 = 36$.

Q316. 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.

Q317. 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 → CBOL.

Q318. 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.

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. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) RAIL
- (C) TCKN
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q321. Find the next number: 20, 28, 36, 44, 52, ?

- (A) 76
- (B) 60
- (C) 68
- (D) 52

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $52 + 8 = 60$.

Q322. 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.

Q323. 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.

Q324. Find the next number: 9, 12, 15, 18, 21, ?

- (A) 21
- (B) 24
- (C) 30
- (D) 27

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $21 + 3 = 24$.

Q325. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10.44
- (B) 12.44
- (C) 7
- (D) 13

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 3^2} = 10.44$ km.

Q326. 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.

Q327. 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.

Q328. 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.

Q329. 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.

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) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q332. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) DCPM
- (C) KNAB
- (D) BANK

Answer: A

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q333. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) FQI
- (C) DOG
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG -> EPH.

Q334. Find the next number: 17, 23, 29, 35, 41, ?

- (A) 53
- (B) 41
- (C) 47
- (D) 59

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $41 + 6 = 47$.

Q335. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) DBU
- (C) CAT
- (D) TAC

Answer: B

Explanation: Shift each letter forward by one: CAT -> DBU.

Q336. 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.

Q337. 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.

Q338. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 11.66
- (B) 4
- (C) 13.66
- (D) 16

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 10^2} = 11.66$ km.

Q339. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 62
- (B) 46
- (C) 54
- (D) 38

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q340. Find the next number: 20, 28, 36, 44, 52, ?

- (A) 60
- (B) 76
- (C) 68
- (D) 52

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $52 + 8 = 60$.

Q341. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) SBJM
- (B) LIAR
- (C) RAIL
- (D) TCKN

Answer: A

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q342. 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 $32 + 3 = 35$.

Q343. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) DBU
- (C) CAT
- (D) ECV

Answer: B

Explanation: Shift each letter forward by one: CAT → DBU.

Q344. Find the next number: 17, 19, 21, 23, 25, ?

- (A) 27
- (B) 31
- (C) 25
- (D) 29

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $25 + 2 = 27$.

Q345. 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.

Q346. 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.

Q347. 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.

Q348. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 4
- (C) 8.94
- (D) 10.94

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 8^2} = 8.94$ km.

Q349. A person walks 8 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 16
- (B) 0
- (C) 13.31
- (D) 11.31

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 8^2} = 11.31$ km.

Q350. A person walks 9 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 9.49
- (C) 6
- (D) 11.49

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 3^2} = 9.49$ km.

Q351. Find the next number: 16, 18, 20, 22, 24, ?

- (A) 30
- (B) 24
- (C) 28
- (D) 26

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $24 + 2 = 26$.

Q352. 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.

Q353. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) GOD
- (C) FQI
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG → EPH.

Q354. 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) 3
- (C) 15
- (D) 12.82

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q355. Find the next number: 13, 21, 29, 37, 45, ?

- (A) 69
- (B) 53
- (C) 45
- (D) 61

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $45 + 8 = 53$.

Q356. 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.

Q357. 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.

Q358. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) DBU
- (C) CAT
- (D) ECV

Answer: B

Explanation: Shift each letter forward by one: CAT → DBU.

Q359. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) FQI
- (C) DOG
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG → EPH.

Q360. 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.

Q361. A person walks 8 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 10.54
- (C) 11
- (D) 8.54

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 3^2} = 8.54$ km.

Q362. Find the next number: 15, 24, 33, 42, 51, ?

- (A) 51
- (B) 69
- (C) 60
- (D) 78

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $51 + 9 = 60$.

Q363. Find the next number: 9, 12, 15, 18, 21, ?

- (A) 21
- (B) 27
- (C) 24
- (D) 30

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $21 + 3 = 24$.

Q364. 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.

Q365. 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.

Q366. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.81
- (B) 11
- (C) 7.81
- (D) 1

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q367. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) EPH
- (C) GOD
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG -> EPH.

Q368. 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.

Q369. 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.

Q370. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q371. 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.

Q372. 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.

Q373. 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.

Q374. Find the next number: 6, 9, 12, 15, 18, ?

- (A) 18
- (B) 21
- (C) 24
- (D) 27

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $18 + 3 = 21$.

Q375. 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.

Q376. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 9.85
- (C) 11.85
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q377. 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.

Q378. 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.

Q379. 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.

Q380. 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.

Q381. 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.

Q382. 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.

Q383. 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.

Q384. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 48
- (B) 66
- (C) 57
- (D) 39

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q385. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 13.18
- (C) 11.18
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q386. Find the next number: 6, 12, 18, 24, 30, ?

- (A) 48
- (B) 30
- (C) 42
- (D) 36

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $30 + 6 = 36$.

Q387. 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) 7
- (C) 10.44
- (D) 13

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 3^2} = 10.44$ km.

Q388. 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.

Q389. 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.

Q390. 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.

Q391. 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.

Q392. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.49
- (B) 6
- (C) 12
- (D) 9.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q393. 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.

Q394. 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.

Q395. Find the next number: 9, 18, 27, 36, 45, ?

- (A) 72
- (B) 45
- (C) 63
- (D) 54

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $45 + 9 = 54$.

Q396. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 12.04
- (C) 14.04
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 9^2} = 12.04$ km.

Q397. 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.

Q398. 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.

Q399. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 11.66
- (C) 13.66
- (D) 16

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 6^2} = 11.66$ km.

Q400. Find the next number: 16, 21, 26, 31, 36, ?

- (A) 41
- (B) 51
- (C) 36
- (D) 46

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $36 + 5 = 41$.

Q401. 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.

Q402. A person walks 5 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 7.07
- (B) 9.07
- (C) 10
- (D) 0

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 5^2} = 7.07$ km.

Q403. 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.

Q404. 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.

Q405. Find the next number: 10, 14, 18, 22, 26, ?

- (A) 30
- (B) 38
- (C) 26
- (D) 34

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $26 + 4 = 30$.

Q406. 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.

Q407. 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.

Q408. Find the next number: 17, 22, 27, 32, 37, ?

- (A) 42
- (B) 52
- (C) 47
- (D) 37

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $37 + 5 = 42$.

Q409. Find the next number: 17, 20, 23, 26, 29, ?

- (A) 35
- (B) 29
- (C) 38
- (D) 32

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $29 + 3 = 32$.

Q410. 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.

Q411. 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.

Q412. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 7.83
- (B) 2
- (C) 5.83
- (D) 8

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q413. A person walks 10 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 20
- (B) 0
- (C) 16.14
- (D) 14.14

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 10^2} = 14.14$ km.

Q414. Find the next number: 14, 22, 30, 38, 46, ?

- (A) 70
- (B) 54
- (C) 62
- (D) 46

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $46 + 8 = 54$.

Q415. 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.

Q416. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EQFG
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q417. Find the next number: 20, 22, 24, 26, 28, ?

- (A) 32
- (B) 28
- (C) 34
- (D) 30

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $28 + 2 = 30$.

Q418. A person walks 9 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 14
- (C) 10.3
- (D) 12.3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 5^2} = 10.3$ km.

Q419. 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) 1
- (C) 11.22
- (D) 13

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q420. 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.

Q421. 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.

Q422. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.43
- (B) 11.43
- (C) 13
- (D) 3

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q423. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) TCKN
- (C) SBJM
- (D) LIAR

Answer: C

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q424. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) TAC
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q425. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) EQFG
- (C) EDOC
- (D) CODE

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q426. 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.

Q427. 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.

Q428. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 11.9
- (B) 0
- (C) 9.9
- (D) 14

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 7^2} = 9.9$ km.

Q429. Find the next number: 11, 17, 23, 29, 35, ?

- (A) 53
- (B) 35
- (C) 41
- (D) 47

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $35 + 6 = 41$.

Q430. 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.

Q431. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.04
- (C) 1
- (D) 12.04

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 8^2} = 12.04$ km.

Q432. Find the next number: 2, 8, 14, 20, 26, ?

- (A) 32
- (B) 26
- (C) 38
- (D) 44

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $26 + 6 = 32$.

Q433. 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.

Q434. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12.04
- (B) 14.04
- (C) 1
- (D) 17

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 9^2} = 12.04$ km.

Q435. 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.

Q436. 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.

Q437. 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.

Q438. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 15.45
- (B) 19
- (C) 13.45
- (D) 1

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q439. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EDOC
- (D) EQFG

Answer: A

Explanation: Shift each letter forward by one: CODE -> DPEF.

Q440. 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.

Q441. A person walks 4 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 6
- (B) 14
- (C) 12.77
- (D) 10.77

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 10^2} = 10.77$ km.

Q442. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) DCPM
- (C) KNAB
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q443. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) GOD
- (C) EPH
- (D) FQI

Answer: C

Explanation: Shift each letter forward by one: DOG -> EPH.

Q444. A person walks 8 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10.54
- (B) 8.54
- (C) 5
- (D) 11

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 3^2} = 8.54$ km.

Q445. 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.

Q446. 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.

Q447. Find the next number: 14, 16, 18, 20, 22, ?

- (A) 24
- (B) 28
- (C) 22
- (D) 26

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $22 + 2 = 24$.

Q448. 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.

Q449. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) DPEF
- (C) EDOC
- (D) EQFG

Answer: B

Explanation: Shift each letter forward by one: CODE → DPEF.

Q450. 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.

Q451. 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.

Q452. 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.

Q453. 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.

Q454. 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.

Q455. A person walks 9 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 10.82
- (C) 12.82
- (D) 15

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 6^2} = 10.82$ km.

Q456. Find the next number: 19, 25, 31, 37, 43, ?

- (A) 61
- (B) 43
- (C) 55
- (D) 49

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $43 + 6 = 49$.

Q457. 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.

Q458. 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) 13
- (C) 1
- (D) 11.22

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q459. A person walks 9 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 12.3
- (C) 10.3
- (D) 4

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 5^2} = 10.3$ km.

Q460. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) BANK
- (C) DCPM
- (D) KNAB

Answer: A

Explanation: Shift each letter forward by one: BANK → CBOL.

Q461. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 62
- (B) 54
- (C) 38
- (D) 46

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q462. Find the next number: 15, 22, 29, 36, 43, ?

- (A) 43
- (B) 50
- (C) 64
- (D) 57

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $43 + 7 = 50$.

Q463. 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.

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. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10.94
- (B) 4
- (C) 8.94
- (D) 12

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q466. Find the next number: 9, 16, 23, 30, 37, ?

- (A) 51
- (B) 37
- (C) 58
- (D) 44

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $37 + 7 = 44$.

Q467. 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.

Q468. Find the next number: 13, 17, 21, 25, 29, ?

- (A) 37
- (B) 41
- (C) 33
- (D) 29

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $29 + 4 = 33$.

Q469. Find the next number: 19, 22, 25, 28, 31, ?

- (A) 31
- (B) 34
- (C) 40
- (D) 37

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $31 + 3 = 34$.

Q470. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) CODE
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q471. 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.

Q472. 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.

Q473. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q474. 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 $\rightarrow$ SBJM.

Q475. 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.

Q476. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 6.4
- (C) 9
- (D) 8.4

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 5^2} = 6.4$ km.

Q477. 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.

Q478. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q479. Find the next number: 11, 18, 25, 32, 39, ?

- (A) 46
- (B) 53
- (C) 60
- (D) 39

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $39 + 7 = 46$.

Q480. 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.

Q481. 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) 6
- (C) 12
- (D) 11.49

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q482. 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.

Q483. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 9
- (C) 6.71
- (D) 8.71

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q484. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) HTAM
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q485. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10.94
- (B) 12
- (C) 8.94
- (D) 4

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q486. A person walks 9 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 18
- (C) 14.73
- (D) 12.73

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 9^2} = 12.73$ km.

Q487. Find the next number: 15, 19, 23, 27, 31, ?

- (A) 39
- (B) 35
- (C) 43
- (D) 31

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $31 + 4 = 35$.

Q488. 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.

Q489. Find the next number: 4, 10, 16, 22, 28, ?

- (A) 34
- (B) 28
- (C) 46
- (D) 40

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $28 + 6 = 34$.

Q490. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) GOD
- (C) DOG
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q491. 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 $\rightarrow$ NBUI.

Q492. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 11
- (B) 10.06
- (C) 8.06
- (D) 3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q493. Find the next number: 10, 18, 26, 34, 42, ?

- (A) 42
- (B) 66
- (C) 50
- (D) 58

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $42 + 8 = 50$.

Q494. 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.

Q495. 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.

Q496. 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.

Q497. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) EDOC
- (C) DPEF
- (D) CODE

Answer: C

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q498. 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.

Q499. A person walks 5 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 13
- (B) 3
- (C) 11.43
- (D) 9.43

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 8^2} = 9.43$ km.

Q500. 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) 10
- (C) 2
- (D) 9.21

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 6^2} = 7.21$ km.

Q501. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 9
- (B) 8.71
- (C) 3
- (D) 6.71

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q502. 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.

Q503. 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.

Q504. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) OCVJ
- (C) MATH
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q505. 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.

Q506. 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.

Q507. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 8.71
- (B) 3
- (C) 6.71
- (D) 9

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q508. Find the next number: 8, 13, 18, 23, 28, ?

- (A) 43
- (B) 28
- (C) 38
- (D) 33

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $28 + 5 = 33$.

Q509. 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.

Q510. Find the next number: 19, 21, 23, 25, 27, ?

- (A) 31
- (B) 33
- (C) 27
- (D) 29

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $27 + 2 = 29$.

Q511. Find the next number: 6, 8, 10, 12, 14, ?

- (A) 20
- (B) 18
- (C) 16
- (D) 14

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $14 + 2 = 16$.

Q512. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) FQI
- (D) DOG

Answer: B

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q513. 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.

Q514. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10.06
- (B) 8.06
- (C) 11
- (D) 3

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q515. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) SBJM
- (B) RAIL
- (C) TCKN
- (D) LIAR

Answer: A

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q516. Find the next number: 11, 14, 17, 20, 23, ?

- (A) 23
- (B) 29
- (C) 26
- (D) 32

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $23 + 3 = 26$.

Q517. 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.

Q518. 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.

Q519. 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.

Q520. 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.

Q521. Find the next number: 15, 17, 19, 21, 23, ?

- (A) 27
- (B) 29
- (C) 23
- (D) 25

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $23 + 2 = 25$.

Q522. 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) 13
- (C) 7
- (D) 10.44

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 10^2} = 10.44$ km.

Q523. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) KNAB
- (C) BANK
- (D) DCPM

Answer: A

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q524. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) DCPM
- (D) BANK

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q525. Find the next number: 7, 9, 11, 13, 15, ?

- (A) 19
- (B) 15
- (C) 21
- (D) 17

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $15 + 2 = 17$.

Q526. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.04
- (C) 1
- (D) 12.04

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 9^2} = 12.04$ km.

Q527. Find the next number: 4, 12, 20, 28, 36, ?

- (A) 36
- (B) 52
- (C) 60
- (D) 44

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $36 + 8 = 44$.

Q528. 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.

Q529. 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.

Q530. 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.

Q531. 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.

Q532. 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.

Q533. Find the next number: 10, 15, 20, 25, 30, ?

- (A) 35
- (B) 40
- (C) 45
- (D) 30

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $30 + 5 = 35$.

Q534. Find the next number: 16, 22, 28, 34, 40, ?

- (A) 46
- (B) 40
- (C) 58
- (D) 52

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $40 + 6 = 46$.

Q535. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) DPEF
- (D) EDOC

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q536. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 9.62
- (B) 10
- (C) 4
- (D) 7.62

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 7^2} = 7.62$ km.

Q537. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) CBOL
- (C) KNAB
- (D) BANK

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q538. Find the next number: 3, 5, 7, 9, 11, ?

- (A) 17
- (B) 11
- (C) 15
- (D) 13

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $11 + 2 = 13$.

Q539. 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.

Q540. 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.

Q541. 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.

Q542. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) RAIL
- (C) SBJM
- (D) TCKN

Answer: C

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q543. 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.

Q544. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) SBJM
- (C) TCKN
- (D) RAIL

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q545. Find the next number: 15, 24, 33, 42, 51, ?

- (A) 51
- (B) 60
- (C) 78
- (D) 69

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $51 + 9 = 60$.

Q546. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.94
- (B) 4
- (C) 8.94
- (D) 12

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 8^2} = 8.94$ km.

Q547. 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.

Q548. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) DPEF
- (D) EDOC

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q549. 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.

Q550. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 13.66
- (C) 11.66
- (D) 16

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 6^2} = 11.66$ km.

Q551. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10.94
- (B) 8.94
- (C) 12
- (D) 4

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q552. 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.

Q553. Find the next number: 4, 6, 8, 10, 12, ?

- (A) 12
- (B) 14
- (C) 16
- (D) 18

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $12 + 2 = 14$.

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. 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.

Q556. 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.

Q557. 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.

Q558. 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.

Q559. Find the next number: 10, 16, 22, 28, 34, ?

- (A) 52
- (B) 34
- (C) 46
- (D) 40

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $34 + 6 = 40$.

Q560. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.21
- (C) 3
- (D) 12.21

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q561. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 7.0
- (B) 5.0
- (C) 7
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 4^2} = 5.0$ km.

Q562. 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.

Q563. 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 $\rightarrow$ DPEF.

Q564. 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.

Q565. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.81
- (B) 11
- (C) 1
- (D) 7.81

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q566. 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.

Q567. 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.

Q568. 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.

Q569. 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.

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. 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) 9.81
- (D) 1

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q572. 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.

Q573. 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.

Q574. 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.

Q575. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 11.22
- (B) 9.22
- (C) 1
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q576. 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.

Q577. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) DOG
- (C) EPH
- (D) GOD

Answer: C

Explanation: Shift each letter forward by one: DOG → EPH.

Q578. Find the next number: 7, 9, 11, 13, 15, ?

- (A) 15
- (B) 21
- (C) 19
- (D) 17

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $15 + 2 = 17$.

Q579. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 10.94
- (C) 4
- (D) 8.94

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q580. 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.

Q581. 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.

Q582. 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.

Q583. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 8.94
- (B) 12
- (C) 10.94
- (D) 4

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q584. 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.

Q585. 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.

Q586. A person walks 9 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 18
- (B) 14.73
- (C) 0
- (D) 12.73

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 9^2} = 12.73$ km.

Q587. 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.

Q588. 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.

Q589. 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) 8.54
- (D) 5

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 8^2} = 8.54$ km.

Q590. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 5.83
- (C) 8
- (D) 7.83

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q591. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5.0
- (B) 7.0
- (C) 7
- (D) 1

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q592. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 13.18
- (B) 15
- (C) 5
- (D) 11.18

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q593. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EQFG
- (C) DPEF
- (D) EDOC

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q594. 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.

Q595. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EQFG
- (C) EDOC
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q596. Find the next number: 10, 19, 28, 37, 46, ?

- (A) 55
- (B) 73
- (C) 46
- (D) 64

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $46 + 9 = 55$.

Q597. Find the next number: 15, 18, 21, 24, 27, ?

- (A) 27
- (B) 30
- (C) 36
- (D) 33

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $27 + 3 = 30$.

Q598. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 13.18
- (C) 11.18
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q599. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 10.6
- (B) 8.6
- (C) 2
- (D) 12

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 5^2} = 8.6$ km.

Q600. Find the next number: 7, 15, 23, 31, 39, ?

- (A) 39
- (B) 55
- (C) 63
- (D) 47

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $39 + 8 = 47$.

General Science

Q601. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q602. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Newton's law
- (C) Hooke's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q603. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q604. 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.

Q605. 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 .

Q606. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q607. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q608. The unit of electric power is

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q609. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 1
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q610. 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.

Q611. 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.

Q612. 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 $V = IR$.

Q613. 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.

Q614. The chemical formula of common salt is

- (A) KCl
- (B) NaCl
- (C) Na₂CO₃
- (D) CaCO₃

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q615. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q616. 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.

Q617. 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.

Q618. 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 $V = IR$.

Q619. 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.

Q620. 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.

Q621. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) KCl
- (C) NaCl
- (D) CaCO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl.

Q622. 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.

Q623. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q624. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) neutron
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q625. 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.

Q626. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s²
- (B) 3.0 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.

Q627. The chemical formula of common salt is

- (A) KCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q628. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) KCl
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q629. 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 $V = IR$.

Q630. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q631. The unit of electric power is

- (A) ampere
- (B) watt
- (C) ohm
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q632. 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 $V = IR$.

Q633. 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.

Q634. 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 $V = IR$.

Q635. 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 .

Q636. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q637. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q638. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 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 .

Q639. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q640. 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.

Q641. The unit of electric power is

- (A) watt
- (B) ampere
- (C) volt
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q642. 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 .

Q643. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Hooke's law
- (C) Newton's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q644. The unit of electric power is

- (A) ohm
- (B) watt
- (C) ampere
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q645. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q646. 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.

Q647. 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 $V = IR$.

Q648. 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 .

Q649. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q650. 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 $V = IR$.

Q651. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q652. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q653. The unit of electric power is

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q654. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q655. 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 $V = IR$.

Q656. 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.

Q657. 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.

Q658. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q659. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q660. 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 $V = IR$.

Q661. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q662. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q663. 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.

Q664. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 98 m/s^2
- (C) 9.8 m/s^2
- (D) 3.0 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q665. 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 .

Q666. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q667. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q668. 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.

Q669. 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.

Q670. 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 .

Q671. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) Na_2CO_3
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q672. 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.

Q673. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q674. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 0
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q675. 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 $V = IR$.

Q676. 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.

Q677. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 7
- (D) 14

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q678. 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 .

Q679. 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.

Q680. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q681. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 0
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q682. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q683. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q684. 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 .

Q685. 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 .

Q686. The chemical formula of common salt is

- (A) KCl
- (B) Na_2CO_3
- (C) NaCl
- (D) CaCO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q687. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q688. 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.

Q689. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q690. 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.

Q691. 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 $V = IR$.

Q692. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q693. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q694. 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.

Q695. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q696. 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 .

Q697. 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 $V = IR$.

Q698. 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.

Q699. 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.

Q700. 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 .

Q701. 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 $V = IR$.

Q702. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q703. 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.

Q704. 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 .

Q705. 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.

Q706. 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 $V = IR$.

Q707. The unit of electric power is

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q708. 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 .

Q709. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 14
- (C) 0
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q710. 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.

Q711. 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 $V = IR$.

Q712. 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 .

Q713. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q714. 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.

Q715. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q716. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q717. 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.

Q718. 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.

Q719. 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.

Q720. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s²
- (B) 0.98 m/s²
- (C) 98 m/s²
- (D) 3.0 m/s²

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q721. 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 $V = IR$.

Q722. 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 .

Q723. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q724. 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 .

Q725. 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.

Q726. 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.

Q727. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q728. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) KCl
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q729. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s²
- (B) 0.98 m/s²
- (C) 3.0 m/s²
- (D) 98 m/s²

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q730. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q731. 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.

Q732. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 1
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q733. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q734. 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 $V = IR$.

Q735. The unit of electric power is

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q736. 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.

Q737. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q738. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) Na₂CO₃
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q739. 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 .

Q740. 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 .

Q741. 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.

Q742. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q743. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 0
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q744. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q745. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) Na₂CO₃
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q746. 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 $V = IR$.

Q747. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q748. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q749. The chemical formula of common salt is

- (A) CaCO₃
- (B) Na₂CO₃
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q750. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q751. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q752. The unit of electric power is

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q753. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Newton's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q754. The chemical formula of common salt is

- (A) KCl
- (B) NaCl
- (C) CaCO_3
- (D) Na_2CO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q755. 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.

Q756. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q757. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q758. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q759. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q760. The chemical formula of common salt is

- (A) Na₂CO₃
- (B) KCl
- (C) CaCO₃
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q761. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q762. 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.

Q763. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q764. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 1
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q765. 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.

Q766. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q767. The chemical formula of common salt is

- (A) KCl
- (B) Na_2CO_3
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q768. 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.

Q769. The unit of electric power is

- (A) ohm
- (B) watt
- (C) ampere
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q770. 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 $V = IR$.

Q771. 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.

Q772. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 14
- (D) 0

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q773. 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.

Q774. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 3.0 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q775. 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 .

Q776. 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 .

Q777. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q778. 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.

Q779. 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.

Q780. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q781. 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.

Q782. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q783. The unit of electric power is

- (A) watt
- (B) volt
- (C) ampere
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q784. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q785. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q786. The chemical formula of common salt is

- (A) Na₂CO₃
- (B) CaCO₃
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q787. Which particle has a negative electric charge?

- (A) electron
- (B) proton
- (C) alpha particle
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q788. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 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 .

Q789. The chemical formula of common salt is

- (A) KCl
- (B) Na_2CO_3
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q790. 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 $V = IR$.

Q791. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q792. 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 .

Q793. 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 .

Q794. The unit of electric power is

- (A) ampere
- (B) watt
- (C) ohm
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q795. 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 .

Q796. Which particle has a negative electric charge?

- (A) electron
- (B) neutron
- (C) alpha particle
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q797. 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.

Q798. 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 .

Q799. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 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 .

Q800. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q801. 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 $V = IR$.

Q802. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q803. The chemical formula of common salt is

- (A) KCl
- (B) NaCl
- (C) CaCO_3
- (D) Na_2CO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q804. 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 $V = IR$.

Q805. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q806. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q807. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q808. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q809. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q810. 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 $V = IR$.

Q811. 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 $V = IR$.

Q812. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 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 .

Q813. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 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 .

Q814. Which particle has a negative electric charge?

- (A) electron
- (B) neutron
- (C) proton
- (D) alpha particle

Answer: A

Explanation: Electrons carry negative charge.

Q815. 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.

Q816. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q817. 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.

Q818. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) KCl
- (D) Na₂CO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q819. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q820. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q821. 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.

Q822. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s²
- (B) 0.98 m/s²
- (C) 3.0 m/s²
- (D) 9.8 m/s²

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q823. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q824. 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.

Q825. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q826. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q827. 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 .

Q828. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) Na_2CO_3
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q829. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q830. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 14
- (D) 0

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q831. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s²
- (B) 3.0 m/s²
- (C) 9.8 m/s²
- (D) 0.98 m/s²

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q832. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q833. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q834. The chemical formula of common salt is

- (A) KCl
- (B) Na₂CO₃
- (C) NaCl
- (D) CaCO₃

Answer: C

Explanation: Common salt is sodium chloride, NaCl.

Q835. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Hooke's law
- (C) Newton's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q836. 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 .

Q837. 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 .

Q838. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q839. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 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 .

Q840. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) alpha particle
- (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 A
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q842. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) KCl
- (D) CaCO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q843. The unit of electric power is

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q844. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q845. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q846. 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 .

Q847. 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.

Q848. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q849. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q850. 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 $V = IR$.

General Awareness

Q851. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Atlantic Ocean
- (C) Pacific Ocean
- (D) Indian Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q852. The fundamental unit of life is

- (A) tissue
- (B) atom
- (C) cell
- (D) organ

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q853. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q854. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) Lok Sabha and Rajya 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.

Q855. 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.

Q856. 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.

Q857. The fundamental unit of life is

- (A) atom
- (B) organ
- (C) cell
- (D) tissue

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q858. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q859. The currency of Japan is

- (A) Won
- (B) Yuan
- (C) Dollar
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q860. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q861. The capital of India is

- (A) Chennai
- (B) Mumbai
- (C) Kolkata
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q862. The fundamental unit of life is

- (A) cell
- (B) atom
- (C) organ
- (D) tissue

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q863. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) Lok 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.

Q864. 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.

Q865. 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.

Q866. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 15 August 1947

Answer: B

Explanation: It came into force on 26 January 1950.

Q867. The largest ocean on Earth is

- (A) Indian Ocean
- (B) Atlantic Ocean
- (C) Pacific Ocean
- (D) Arctic Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q868. The fundamental unit of life is

- (A) tissue
- (B) cell
- (C) organ
- (D) atom

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q869. The fundamental unit of life is

- (A) tissue
- (B) cell
- (C) organ
- (D) atom

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q870. 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.

Q871. 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.

Q872. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q873. The SI unit of force is

- (A) newton
- (B) joule
- (C) pascal
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q874. The currency of Japan is

- (A) Dollar
- (B) Won
- (C) Yuan
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q875. 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.

Q876. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Mitochondrion
- (C) Nucleus
- (D) Ribosome

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q877. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Red blood cells
- (D) Platelets

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q878. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Hydrogen
- (D) Oxygen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q879. The longest river entirely within India is

- (A) Ganga
- (B) Yamuna
- (C) Narmada
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q880. 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.

Q881. 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.

Q882. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Hydrogen
- (D) Oxygen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q883. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Arctic Ocean
- (D) Indian Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q884. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Red blood cells
- (D) Platelets

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q885. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 26 November 1949

Answer: B

Explanation: It came into force on 26 January 1950.

Q886. The currency of Japan is

- (A) Yuan
- (B) Won
- (C) Dollar
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q887. 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.

Q888. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^8 m/s
- (D) 3×10^6 m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q889. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Pacific Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q890. 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.

Q891. The SI unit of force is

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q892. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^5 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^6 m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q893. The currency of Japan is

- (A) Yuan
- (B) Won
- (C) Yen
- (D) Dollar

Answer: C

Explanation: Japan uses the yen.

Q894. 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.

Q895. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q896. The currency of Japan is

- (A) Yuan
- (B) Yen
- (C) Dollar
- (D) Won

Answer: B

Explanation: Japan uses the yen.

Q897. The chemical symbol for sodium is

- (A) S
- (B) Na
- (C) N
- (D) So

Answer: B

Explanation: Na comes from the Latin name natrium.

Q898. 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.

Q899. 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.

Q900. 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.

Q901. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Arctic Ocean
- (C) Pacific Ocean
- (D) Indian Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q902. 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.

Q903. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Nitrogen
- (C) Oxygen
- (D) Carbon dioxide

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q904. The longest river entirely within India is

- (A) Narmada
- (B) Godavari
- (C) Ganga
- (D) Yamuna

Answer: B

Explanation: Godavari is the longest river flowing entirely within India.

Q905. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 26 November 1949

Answer: B

Explanation: It came into force on 26 January 1950.

Q906. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Atlantic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q907. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^5 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q908. The currency of Japan is

- (A) Yuan
- (B) Yen
- (C) Won
- (D) Dollar

Answer: B

Explanation: Japan uses the yen.

Q909. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q910. 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.

Q911. 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.

Q912. 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.

Q913. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Atlantic Ocean
- (C) Arctic Ocean
- (D) Indian Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q914. 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.

Q915. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q916. 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.

Q917. The currency of Japan is

- (A) Won
- (B) Yen
- (C) Yuan
- (D) Dollar

Answer: B

Explanation: Japan uses the yen.

Q918. 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.

Q919. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) White blood cells
- (D) Plasma cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q920. 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.

Q921. The currency of Japan is

- (A) Yen
- (B) Yuan
- (C) Dollar
- (D) Won

Answer: A

Explanation: Japan uses the yen.

Q922. The currency of Japan is

- (A) Yuan
- (B) Yen
- (C) Won
- (D) Dollar

Answer: B

Explanation: Japan uses the yen.

Q923. 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.

Q924. The chemical symbol for sodium is

- (A) N
- (B) Na
- (C) So
- (D) S

Answer: B

Explanation: Na comes from the Latin name natrium.

Q925. The chemical symbol for sodium is

- (A) N
- (B) Na
- (C) So
- (D) S

Answer: B

Explanation: Na comes from the Latin name natrium.

Q926. 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.

Q927. The Parliament of India consists of

- (A) Lok Sabha only
- (B) President and Lok Sabha only
- (C) Lok Sabha and Rajya Sabha only
- (D) President, Lok Sabha and Rajya Sabha

Answer: D

Explanation: Article 79 provides for the President and the two Houses.

Q928. 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.

Q929. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Ganga
- (D) Narmada

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q930. 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.

Q931. The SI unit of force is

- (A) newton
- (B) pascal
- (C) joule
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q932. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) White blood cells
- (D) Plasma cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q933. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Arctic Ocean
- (C) Indian Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q934. 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.

Q935. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^5 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^6 m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q936. 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.

Q937. The capital of India is

- (A) Chennai
- (B) Mumbai
- (C) Kolkata
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q938. The planet known as the Red Planet is

- (A) Mars
- (B) Mercury
- (C) Jupiter
- (D) Venus

Answer: A

Explanation: Mars appears reddish because of iron oxides on its surface.

Q939. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) Na
- (D) So

Answer: C

Explanation: Na comes from the Latin name natrium.

Q940. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Arctic Ocean
- (C) Indian Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q941. 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.

Q942. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q943. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^8 m/s
- (D) 3×10^5 m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q944. 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.

Q945. 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.

Q946. The planet known as the Red Planet is

- (A) Venus
- (B) Jupiter
- (C) Mercury
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q947. The Parliament of India consists of

- (A) Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q948. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Subramania Bharati
- (C) Rabindranath Tagore
- (D) Sarojini Naidu

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q949. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Kolkata
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q950. 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.

Q951. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q952. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) Na
- (D) S

Answer: C

Explanation: Na comes from the Latin name natrium.

Q953. The capital of India is

- (A) Chennai
- (B) New Delhi
- (C) Kolkata
- (D) Mumbai

Answer: B

Explanation: New Delhi is the capital of India.

Q954. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q955. The chemical symbol for sodium is

- (A) Na
- (B) S
- (C) So
- (D) N

Answer: A

Explanation: Na comes from the Latin name natrium.

Q956. 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.

Q957. The capital of India is

- (A) Kolkata
- (B) Chennai
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q958. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q959. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q960. 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.

Q961. The longest river entirely within India is

- (A) Ganga
- (B) Yamuna
- (C) Godavari
- (D) Narmada

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q962. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) Na
- (D) S

Answer: C

Explanation: Na comes from the Latin name natrium.

Q963. 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.

Q964. 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.

Q965. The planet known as the Red Planet is

- (A) Mercury
- (B) Jupiter
- (C) Mars
- (D) Venus

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q966. The longest river entirely within India is

- (A) Yamuna
- (B) Ganga
- (C) Godavari
- (D) Narmada

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q967. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Atlantic Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q968. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q969. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q970. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Ribosome
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q971. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Hydrogen
- (D) Oxygen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q972. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q973. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q974. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Plasma cells
- (C) Red blood cells
- (D) White blood cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q975. The SI unit of force is

- (A) watt
- (B) newton
- (C) pascal
- (D) joule

Answer: B

Explanation: Force is measured in newtons (N).

Q976. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha only
- (D) President and Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q977. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) New Delhi
- (D) Chennai

Answer: C

Explanation: New Delhi is the capital of India.

Q978. 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.

Q979. The planet known as the Red Planet is

- (A) Jupiter
- (B) Venus
- (C) Mars
- (D) Mercury

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q980. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Chloroplast
- (C) Mitochondrion
- (D) Ribosome

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q981. The capital of India is

- (A) Chennai
- (B) Kolkata
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q982. 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.

Q983. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q984. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q985. The largest ocean on Earth is

- (A) Indian Ocean
- (B) Atlantic Ocean
- (C) Arctic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q986. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Sarojini Naidu

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q987. 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.

Q988. 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.

Q989. The SI unit of force is

- (A) joule
- (B) watt
- (C) pascal
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q990. The longest river entirely within India is

- (A) Yamuna
- (B) Ganga
- (C) Narmada
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q991. The fundamental unit of life is

- (A) tissue
- (B) atom
- (C) organ
- (D) cell

Answer: D

Explanation: The cell is the basic structural and functional unit of life.

Q992. Which gas is most abundant in Earth's atmosphere?

- (A) Oxygen
- (B) Hydrogen
- (C) Carbon dioxide
- (D) Nitrogen

Answer: D

Explanation: Nitrogen is about 78% of the atmosphere.

Q993. 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.

Q994. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha and Rajya Sabha only
- (C) President and Lok Sabha only
- (D) Lok Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q995. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q996. 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.

Q997. The capital of India is

- (A) Chennai
- (B) New Delhi
- (C) Mumbai
- (D) Kolkata

Answer: B

Explanation: New Delhi is the capital of India.

Q998. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Sarojini Naidu
- (C) Rabindranath Tagore
- (D) Bankim Chandra Chattopadhyay

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q999. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Ribosome
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q1000. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

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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