

QUIZ-A-THON

SECTION 3

Numerical Ability

1000 Multiple Choice Questions

Difficulty: Easy to Moderate | Quiz-A-Thon / R-CAT Level

Exam-Ready | Printable | Professionally Formatted

Simple Interest

SI Formula

Q1. Find the simple interest on Rs. 5000 at 10% per annum for 2 years.

- A) Rs. 800
- B) Rs. 900
- C) Rs. 1000
- D) Rs. 1100

Correct Answer: C

Q2. Simple interest on Rs. 2000 at 5% per annum for 3 years is:

- A) Rs. 200
- B) Rs. 250
- C) Rs. 300
- D) Rs. 350

Correct Answer: C

Q3. SI on Rs. 8000 at 8% per annum for 1 year is:

- A) Rs. 540
- B) Rs. 600
- C) Rs. 640
- D) Rs. 720

Correct Answer: C

Q4. Find SI on Rs. 1200 at 12% for 2 years.

- A) Rs. 240
- B) Rs. 288
- C) Rs. 300
- D) Rs. 312

Correct Answer: B

Q5. SI on Rs. 6000 at 6% for 4 years is:

- A) Rs. 1200
- B) Rs. 1320
- C) Rs. 1440
- D) Rs. 1560

Correct Answer: C

Principal

Q6. At what principal will SI be Rs. 600 at 10% in 2 years?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Q7. Find the principal if SI is Rs. 450 at 5% for 3 years.

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Q8. Principal that gives Rs. 720 as SI at 8% in 3 years is:

- A) Rs. 2800
- B) Rs. 3000
- C) Rs. 3200
- D) Rs. 3600

Correct Answer: B

Q9. What sum gives Rs. 1500 as SI at 10% in 5 years?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Rate

Q10. At what rate will Rs. 4000 give SI of Rs. 800 in 4 years?

- A) 4%
- B) 5%
- C) 6%
- D) 8%

Correct Answer: B

Q11. Find the rate if Rs. 5000 gives SI of Rs. 1500 in 3 years.

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Q12. At what rate does Rs. 2000 yield Rs. 480 SI in 4 years?

- A) 5%
- B) 6%
- C) 7%
- D) 8%

Correct Answer: B

Q13. Rs. 3000 gives Rs. 900 SI in 5 years. Rate is:

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: C

Time

Q14. In how many years will Rs. 5000 give Rs. 2000 as SI at 10%?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: C

Q15. In how many years will Rs. 8000 give Rs. 1920 as SI at 8%?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Q16. Time for Rs. 6000 to earn Rs. 3600 SI at 12% per annum:

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: C

Amount

Q17. Amount after 2 years on Rs. 4000 at 10% SI:

- A) Rs. 4600
- B) Rs. 4800
- C) Rs. 5000
- D) Rs. 5200

Correct Answer: B

Q18. What is the total amount if Rs. 3000 is invested at 7% SI for 3 years?

- A) Rs. 3530
- B) Rs. 3600
- C) Rs. 3630
- D) Rs. 3700

Correct Answer: C

Q19. Amount on Rs. 10000 at 5% SI for 4 years:

- A) Rs. 11500
- B) Rs. 12000
- C) Rs. 12500
- D) Rs. 13000

Correct Answer: B

Q20. Rs. 7000 invested at 9% for 2 years. Total amount?

- A) Rs. 8160
- B) Rs. 8200
- C) Rs. 8260
- D) Rs. 8300

Correct Answer: C

SI Formula

Q21. SI on Rs. 1500 at 4% for 5 years is:

- A) Rs. 250
- B) Rs. 275
- C) Rs. 300
- D) Rs. 350

Correct Answer: C

Q22. SI on Rs. 9000 at 7% for 2 years:

- A) Rs. 1200
- B) Rs. 1260
- C) Rs. 1300
- D) Rs. 1400

Correct Answer: B

Q23. Find SI on Rs. 4500 at 6% for 3 years.

- A) Rs. 710
- B) Rs. 780
- C) Rs. 810
- D) Rs. 900

Correct Answer: C

Principal

Q24. What sum earns Rs. 840 SI at 7% in 4 years?

- A) Rs. 2800
- B) Rs. 3000
- C) Rs. 3200
- D) Rs. 3500

Correct Answer: B

Rate

Q25. Rs. 6000 earns Rs. 720 in 2 years. Rate?

- A) 5%
- B) 6%
- C) 7%
- D) 8%

Correct Answer: B

Time

Q26. Time for Rs. 2500 to earn Rs. 500 at 10%?

- A) 1 year
- B) 2 years
- C) 3 years
- D) 4 years

Correct Answer: B

Amount

Q27. Amount on Rs. 5500 at 8% for 3 years (SI):

- A) Rs. 6700
- B) Rs. 6820
- C) Rs. 6900
- D) Rs. 7000

Correct Answer: B

SI Formula

Q28. SI on Rs. 12000 at 10% for 6 months is:

- A) Rs. 500
- B) Rs. 600
- C) Rs. 700
- D) Rs. 800

Correct Answer: B

Q29. SI on Rs. 3000 at 12% for 9 months is:

- A) Rs. 250
- B) Rs. 270
- C) Rs. 290
- D) Rs. 300

Correct Answer: B

Q30. SI on Rs. 8000 at 15% for 8 months is:

- A) Rs. 700
- B) Rs. 750
- C) Rs. 800
- D) Rs. 850

Correct Answer: C

Principal

Q31. What principal gives Rs. 360 SI at 6% in 2 years?

- A) Rs. 2800
- B) Rs. 3000
- C) Rs. 3200
- D) Rs. 3600

Correct Answer: B

Rate

Q32. Rate at which Rs. 7500 gives Rs. 1125 in 3 years?

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: B

Time

Q33. Time needed for Rs. 4000 to double at 10% SI?

- A) 8 years
- B) 10 years
- C) 12 years
- D) 15 years

Correct Answer: B

Q34. Time needed for Rs. 5000 to become Rs. 8000 at 12% SI?

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: C

Amount

Q35. A man deposits Rs. 2000 at 8% SI for 5 years. He gets back:

- A) Rs. 2600
- B) Rs. 2700
- C) Rs. 2800
- D) Rs. 2900

Correct Answer: C

SI Formula

Q36. SI on Rs. 15000 at 4% for 2 years:

- A) Rs. 1000
- B) Rs. 1100
- C) Rs. 1200
- D) Rs. 1400

Correct Answer: C

Q37. Find SI: P = Rs. 10000, R = 3%, T = 5 years.

- A) Rs. 1200
- B) Rs. 1400
- C) Rs. 1500
- D) Rs. 1600

Correct Answer: C

Principal

Q38. A sum doubles in 10 years at SI. The rate is:

- A) 5%
- B) 8%
- C) 10%
- D) 12%

Correct Answer: C

Q39. A sum triples in 20 years at SI. The rate is:

- A) 5%
- B) 8%
- C) 10%
- D) 12%

Correct Answer: C

Rate

Q40. Rs. 1000 becomes Rs. 1400 in 4 years at SI. Rate?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Time

Q41. Rs. 6000 amounts to Rs. 7800 at 6% SI. Time?

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: C

Amount

Q42. Amount after 3 years on Rs. 2500 at 12% SI:

- A) Rs. 3200
- B) Rs. 3300
- C) Rs. 3400
- D) Rs. 3500

Correct Answer: C

SI Formula

Q43. Difference of SI on Rs. 5000 at 10% and 8% for 2 years:

- A) Rs. 100
- B) Rs. 150
- C) Rs. 200
- D) Rs. 250

Correct Answer: C

Q44. SI on Rs. 7200 at 11% for 3 years:

- A) Rs. 2176
- B) Rs. 2276
- C) Rs. 2376
- D) Rs. 2400

Correct Answer: C

Rate

Q45. In what time does Rs. 1250 at 4% give Rs. 50 SI?

- A) 1 year
- B) 2 years
- C) 3 years
- D) 4 years

Correct Answer: A

Amount

Q46. Rs. 4000 at 5% SI. Amount after 6 years?

- A) Rs. 5000
- B) Rs. 5100
- C) Rs. 5200
- D) Rs. 5400

Correct Answer: C

Principal

Q47. SI on a sum for 4 years at 5% is Rs. 400. The sum is:

- A) Rs. 1800
- B) Rs. 2000
- C) Rs. 2200
- D) Rs. 2500

Correct Answer: B

Rate

Q48. Rs. 800 at SI becomes Rs. 920 in 3 years. Rate?

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: B

Time

Q49. In how many years will Rs. 900 earn Rs. 162 at 6%?

- A) 2 years
- B) 3 years
- C) 4 years
- D) 5 years

Correct Answer: B

Amount

Q50. Rs. 11000 at 9% SI for 2 years. Amount?

- A) Rs. 12800
- B) Rs. 12900
- C) Rs. 12980
- D) Rs. 13100

Correct Answer: C

Profit & Loss

Profit %

Q51. An article bought for Rs. 200 is sold for Rs. 250. Profit %?

- A) 20%
- B) 25%
- C) 30%
- D) 35%

Correct Answer: B

Q52. CP = Rs. 400, SP = Rs. 480. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q53. CP = Rs. 500, SP = Rs. 400. Loss %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

Q54. An article costing Rs. 800 is sold at Rs. 680. Loss %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

SP from Profit

Q55. CP = Rs. 600. Profit = 20%. SP = ?

- A) Rs. 680
- B) Rs. 700
- C) Rs. 720
- D) Rs. 740

Correct Answer: C

Q56. CP = Rs. 1500. Profit = 10%. SP?

- A) Rs. 1600
- B) Rs. 1650
- C) Rs. 1700
- D) Rs. 1750

Correct Answer: B

SP from Loss

Q57. CP = Rs. 1000. Loss = 15%. SP?

- A) Rs. 800
- B) Rs. 850
- C) Rs. 900
- D) Rs. 950

Correct Answer: B

Q58. CP = Rs. 2000. Loss = 5%. SP?

- A) Rs. 1800
- B) Rs. 1850
- C) Rs. 1900
- D) Rs. 1950

Correct Answer: C

CP from SP

Q59. SP = Rs. 660, Profit = 10%. CP?

- A) Rs. 580
- B) Rs. 600
- C) Rs. 620
- D) Rs. 640

Correct Answer: B

Q60. SP = Rs. 480, Loss = 20%. CP?

- A) Rs. 550
- B) Rs. 575
- C) Rs. 600
- D) Rs. 625

Correct Answer: C

Discount

Q61. MP = Rs. 500, Discount = 10%. SP?

- A) Rs. 400
- B) Rs. 425
- C) Rs. 440
- D) Rs. 450

Correct Answer: D

Q62. MP = Rs. 1200, Discount = 25%. SP?

- A) Rs. 800
- B) Rs. 850
- C) Rs. 900
- D) Rs. 950

Correct Answer: C

Q63. SP = Rs. 720, Discount = 10%. MP?

- A) Rs. 750
- B) Rs. 780
- C) Rs. 800
- D) Rs. 850

Correct Answer: C

Q64. An item marked at Rs. 2000 is sold at Rs. 1600. Discount %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Profit %

Q65. A man buys 10 pens for Rs. 100 and sells them at Rs. 12 each. Profit %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q66. Buys for Rs. 350, sells for Rs. 280. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 22%

Correct Answer: C

SP from Profit

Q67. CP = Rs. 250. Profit = 40%. SP?

- A) Rs. 300
- B) Rs. 325
- C) Rs. 350
- D) Rs. 375

Correct Answer: C

CP from SP

Q68. SP = Rs. 1350, Profit = 35%. CP?

- A) Rs. 900
- B) Rs. 950
- C) Rs. 1000
- D) Rs. 1050

Correct Answer: C

Profit %

Q69. Bought a pen for Rs. 50 and sold for Rs. 65. Profit %?

- A) 20%
- B) 25%
- C) 30%
- D) 35%

Correct Answer: C

Loss %

Q70. CP = Rs. 1200, SP = Rs. 960. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Discount

Q71. MP = Rs. 800, Discount = 15%. SP?

- A) Rs. 660
- B) Rs. 670
- C) Rs. 680
- D) Rs. 700

Correct Answer: C

Profit %

Q72. Buy 5 kg rice at Rs. 40/kg, sell at Rs. 50/kg. Profit %?

- A) 20%
- B) 25%
- C) 30%
- D) 35%

Correct Answer: B

SP from Loss

Q73. CP = Rs. 900, Loss = 10%. SP?

- A) Rs. 800
- B) Rs. 810
- C) Rs. 820
- D) Rs. 830

Correct Answer: B

Discount

Q74. After 20% discount, SP = Rs. 640. MP?

- A) Rs. 750
- B) Rs. 780
- C) Rs. 800
- D) Rs. 820

Correct Answer: C

Profit %

Q75. A trader buys goods for Rs. 4000 and sells at Rs. 4800. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

CP from SP

Q76. SP = Rs. 560, Loss = 20%. CP?

- A) Rs. 650
- B) Rs. 680
- C) Rs. 700
- D) Rs. 720

Correct Answer: C

Discount

Q77. MP = Rs. 3000, successive discounts 10% and 10%. Final SP?

- A) Rs. 2400
- B) Rs. 2430
- C) Rs. 2500
- D) Rs. 2700

Correct Answer: B

Profit %

Q78. CP of 12 articles = SP of 10 articles. Profit %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q79. SP of 20 items = CP of 16 items. Loss %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

SP from Profit

Q80. CP = Rs. 1800, Profit = 15%. SP?

- A) Rs. 2000
- B) Rs. 2050
- C) Rs. 2070
- D) Rs. 2100

Correct Answer: C

Profit %

Q81. Bought a cycle for Rs. 1400, repaired for Rs. 200, sold for Rs. 2000. Profit %?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Discount

Q82. List price Rs. 600. After discount, sold at Rs. 510. Discount %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

SP from Profit

Q83. CP = Rs. 450, gain = Rs. 90. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

CP from SP

Q84. A chair sold for Rs. 690 at 15% profit. CP?

- A) Rs. 580
- B) Rs. 590
- C) Rs. 600
- D) Rs. 620

Correct Answer: C

Loss %

Q85. A phone bought for Rs. 15000, sold for Rs. 12000. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Discount

Q86. MP = Rs. 1000, Discount = 30%. SP?

- A) Rs. 650
- B) Rs. 680
- C) Rs. 700
- D) Rs. 750

Correct Answer: C

Profit %

Q87. Buys at Rs. 80/dozen, sells at Rs. 10 each. Profit %?

- A) 40%
- B) 45%
- C) 50%
- D) 60%

Correct Answer: C

SP from Loss

Q88. CP = Rs. 3500, Loss = 20%. SP?

- A) Rs. 2700
- B) Rs. 2750
- C) Rs. 2800
- D) Rs. 2900

Correct Answer: C

CP from SP

Q89. SP = Rs. 1080, Profit = 20%. CP?

- A) Rs. 850
- B) Rs. 880
- C) Rs. 900
- D) Rs. 920

Correct Answer: C

Discount

Q90. An article marked Rs. 1500 sold at Rs. 1200. Discount %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Ratio & Proportion

Basic Ratio

Q91. Simplify 24:36.

- A) 1:2
- B) 2:3
- C) 3:4
- D) 4:5

Correct Answer: B

Q92. Simplify 45:60.

- A) 2:3
- B) 3:4
- C) 4:5
- D) 5:6

Correct Answer: B

Q93. Ratio of 18 to 27 in simplest form:

- A) 1:2
- B) 2:3
- C) 3:4
- D) 3:5

Correct Answer: B

Sharing

Q94. Divide Rs. 500 in 2:3. Larger share?

- A) Rs. 200
- B) Rs. 250
- C) Rs. 300
- D) Rs. 350

Correct Answer: C

Q95. Rs. 1200 divided among A, B in 3:5. B gets?

- A) Rs. 650
- B) Rs. 700
- C) Rs. 750
- D) Rs. 800

Correct Answer: C

Q96. Divide Rs. 3500 in 2:3:5. The largest share?

- A) Rs. 1500
- B) Rs. 1600
- C) Rs. 1750
- D) Rs. 1800

Correct Answer: C

Q97. Rs. 900 is divided among A, B, C in 1:2:3. A's share?

- A) Rs. 100
- B) Rs. 125
- C) Rs. 150
- D) Rs. 200

Correct Answer: C

Division

Q98. If $A:B = 3:4$ and $B:C = 2:5$, find $A:B:C$.

- A) 3:4:10
- B) 6:8:20
- C) 3:4:5
- D) 6:4:10

Correct Answer: A

Basic Ratio

Q99. A:B = 5:7. If A = 35, B = ?

- A) 42
- B) 45
- C) 49
- D) 56

Correct Answer: C

Proportion

Q100. If 3:5 :: x:20, find x.

- A) 10
- B) 12
- C) 14
- D) 15

Correct Answer: B

Q101. If 4:7 :: 12:x, find x.

- A) 18
- B) 20
- C) 21
- D) 24

Correct Answer: C

Sharing

Q102. Two numbers in ratio 4:5, sum = 63. Smaller number?

- A) 24
- B) 27
- C) 28
- D) 30

Correct Answer: C

Q103. Rs. 630 divided among A, B, C in ratio 1:2:4. C gets?

- A) Rs. 300
- B) Rs. 350
- C) Rs. 360
- D) Rs. 400

Correct Answer: C

Basic Ratio

Q104. Ratio of 50 cm to 2 m:

- A) 1:2
- B) 1:3
- C) 1:4
- D) 1:5

Correct Answer: C

Q105. Ratio of 500 g to 2 kg:

- A) 1:2
- B) 1:3
- C) 1:4
- D) 1:5

Correct Answer: C

Division

Q106. Divide 120 in ratio 3:5. Difference of parts?

- A) 20
- B) 25
- C) 30
- D) 35

Correct Answer: C

Proportion

Q107. Mean proportional of 4 and 16 is:

- A) 6
- B) 8
- C) 10
- D) 12

Correct Answer: B

Q108. Third proportional to 3 and 6 is:

- A) 9
- B) 10
- C) 12
- D) 15

Correct Answer: C

Sharing

Q109. Rs. 2100 divided among P, Q, R in 3:4:7. Q's share?

- A) Rs. 500
- B) Rs. 600
- C) Rs. 700
- D) Rs. 800

Correct Answer: B

Basic Ratio

Q110. If $A:B = 2:3$ and $A = 10$, then $A+B = ?$

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

Division

Q111. Two numbers in ratio 7:3. Difference = 20. Larger number?

- A) 30
- B) 32
- C) 35
- D) 40

Correct Answer: C

Proportion

Q112. If $5:8 :: 15:x$, find x .

- A) 20
- B) 22
- C) 24
- D) 28

Correct Answer: C

Sharing

Q113. Divide 80 kg in ratio 3:5. Larger part?

- A) 45 kg
- B) 48 kg
- C) 50 kg
- D) 55 kg

Correct Answer: C

Basic Ratio

Q114. Ratio of 1 hour 20 min to 2 hours:

- A) 1:2
- B) 2:3
- C) 3:4
- D) 4:5

Correct Answer: B

Division

Q115. A, B, C share profit in 2:3:5. Total profit = Rs. 5000. A gets?

- A) Rs. 800
- B) Rs. 900
- C) Rs. 1000
- D) Rs. 1100

Correct Answer: C

Proportion

Q116. If $6:x :: x:24$, find x.

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Sharing

Q117. Rs. 810 divided in ratio 2:3:4. Middle share?

- A) Rs. 240
- B) Rs. 270
- C) Rs. 300
- D) Rs. 330

Correct Answer: B

Basic Ratio

Q118. $A:B = 5:6$. Sum = 44. Find B.

- A) 20
- B) 22
- C) 24
- D) 26

Correct Answer: C

Division

Q119. Divide Rs. 7200 among X, Y in 5:7. Y's share?

- A) Rs. 3600
- B) Rs. 4000
- C) Rs. 4100
- D) Rs. 4200

Correct Answer: D

Proportion

Q120. If $2:3 :: 8:x$, find x .

- A) 10
- B) 11
- C) 12
- D) 14

Correct Answer: C

Time & Work

Basic

Q121. A can do a work in 10 days. How much does A do in 1 day?

- A) $\frac{1}{8}$
- B) $\frac{1}{9}$
- C) $\frac{1}{10}$
- D) $\frac{1}{12}$

Correct Answer: C

Q122. A can do a piece of work in 12 days. In how many days will A complete half the work?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 8 days

Correct Answer: C

Two Workers

Q123. A does a job in 10 days, B in 15 days. Together in how many days?

- A) 5 days
- B) 6 days
- C) 7 days
- D) 8 days

Correct Answer: B

Q124. A finishes work in 12 days, B in 18 days. Together?

- A) 6 days
- B) 7 days
- C) 7.2 days
- D) 8 days

Correct Answer: C

Q125. A can do a work in 6 days, B in 12 days. Together in?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Men-Days

Q126. 12 men finish a job in 10 days. 15 men will finish it in?

- A) 6 days
- B) 7 days
- C) 8 days
- D) 9 days

Correct Answer: C

Q127. 8 workers do a job in 15 days. How many workers for 10 days?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Q128. 20 men do a work in 12 days. 24 men do it in?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 11 days

Correct Answer: C

Efficiency

Q129. A is twice as efficient as B. B does work in 20 days. A does it in?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 15 days

Correct Answer: B

Q130. A is 3 times as fast as B. Together they do work in 12 days. A alone?

- A) 14 days
- B) 15 days
- C) 16 days
- D) 18 days

Correct Answer: C

Basic

Q131. A does $\frac{1}{5}$ of work in 3 days. Whole work in?

- A) 12 days
- B) 15 days
- C) 18 days
- D) 20 days

Correct Answer: B

Two Workers

Q132. A in 8 days, B in 24 days. Together?

- A) 5 days
- B) 6 days
- C) 7 days
- D) 8 days

Correct Answer: B

Men-Days

Q133. 6 men complete work in 20 days. 10 men in?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 15 days

Correct Answer: B

Two Workers

Q134. A in 15 days, B in 10 days. Together?

- A) 5 days
- B) 6 days
- C) 7 days
- D) 8 days

Correct Answer: B

Efficiency

Q135. A does in 10 days what B does in 15 days. A's one day work is more by how much?

- A) $\frac{1}{20}$
- B) $\frac{1}{25}$
- C) $\frac{1}{30}$
- D) $\frac{1}{35}$

Correct Answer: C

Basic

Q136. A can complete a task in 20 days. Work done in 5 days?

- A) $\frac{1}{5}$
- B) $\frac{1}{4}$
- C) $\frac{1}{3}$
- D) $\frac{1}{2}$

Correct Answer: B

Two Workers

Q137. P finishes in 40 days, Q in 60 days. Together?

- A) 20 days
- B) 22 days
- C) 24 days
- D) 28 days

Correct Answer: C

Men-Days

Q138. 5 men build a wall in 8 days. 4 men build it in?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

Correct Answer: C

Efficiency

Q139. X is half as efficient as Y. Y finishes in 14 days. X in?

- A) 21 days
- B) 24 days
- C) 28 days
- D) 35 days

Correct Answer: C

Two Workers

Q140. A in 20 days, B in 30 days. Together?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 15 days

Correct Answer: B

Basic

Q141. If $\frac{3}{4}$ of work is done in 12 days, whole work done in?

- A) 14 days
- B) 15 days
- C) 16 days
- D) 18 days

Correct Answer: C

Men-Days

Q142. 10 women do a job in 6 days. 15 women do it in?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Two Workers

Q143. A in 5 days, B in 20 days. Together?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Efficiency

Q144. Machine A fills tank in 6 hrs, B in 12 hrs. Together?

- A) 3 hrs
- B) 4 hrs
- C) 5 hrs
- D) 6 hrs

Correct Answer: B

Two Workers

Q145. A in 18 days, B in 36 days. Together?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

Correct Answer: B

Men-Days

Q146. 16 workers in 25 days. 20 workers in?

- A) 18 days
- B) 20 days
- C) 22 days
- D) 25 days

Correct Answer: B

Basic

Q147. A completes work in 8 days. How much in 2 days?

- A) $\frac{1}{5}$
- B) $\frac{1}{4}$
- C) $\frac{1}{3}$
- D) $\frac{1}{2}$

Correct Answer: B

Two Workers

Q148. A in 6 days, B in 6 days. Together?

- A) 2 days
- B) 3 days
- C) 4 days
- D) 5 days

Correct Answer: B

Efficiency

Q149. Pipe A fills tank in 8 hrs, Pipe B empties in 16 hrs. Net fill time?

- A) 12 hrs
- B) 14 hrs
- C) 16 hrs
- D) 18 hrs

Correct Answer: C

Men-Days

Q150. If 4 men can mow a lawn in 6 hours, 3 men can mow it in?

- A) 7 hrs
- B) 8 hrs
- C) 9 hrs
- D) 10 hrs

Correct Answer: B

Two Workers

Q151. A in 14 days, B in 21 days. Together?

- A) 7.2 days
- B) 8 days
- C) 8.4 days
- D) 9 days

Correct Answer: C

Efficiency

Q152. A does $\frac{2}{5}$ of work in 8 days. Remaining work done in?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

Correct Answer: B

Men-Days

Q153. If 3 machines produce 300 units in 5 days, 5 machines produce 300 units in?

- A) 2 days
- B) 3 days
- C) 4 days
- D) 5 days

Correct Answer: B

Two Workers

Q154. A in 16 days, B in 48 days. Together?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

Correct Answer: B

Basic

Q155. A paints a wall in 4 hours. $\frac{3}{4}$ of wall takes?

- A) 2 hrs
- B) 2.5 hrs
- C) 3 hrs
- D) 3.5 hrs

Correct Answer: C

Efficiency

Q156. Tap A fills in 10 hrs, Tap B in 15 hrs. Both open, time to fill?

- A) 4 hrs
- B) 5 hrs
- C) 6 hrs
- D) 7 hrs

Correct Answer: C

Men-Days

Q157. 9 children finish puzzle in 12 min. 6 children finish in?

- A) 15 min
- B) 16 min
- C) 18 min
- D) 20 min

Correct Answer: C

Two Workers

Q158. A in 9 days, B in 18 days. Together?

- A) 5 days
- B) 6 days
- C) 7 days
- D) 8 days

Correct Answer: B

Efficiency

Q159. A's efficiency is 1.5 times B's. B does work in 30 days. A in?

- A) 15 days
- B) 18 days
- C) 20 days
- D) 22 days

Correct Answer: C

Basic

Q160. A finishes 1/3 work in 4 days. Total work in?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 15 days

Correct Answer: B

Average

Basic Average

Q161. Average of 10, 20, 30, 40, 50 is:

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Q162. Average of first 10 natural numbers:

- A) 5
- B) 5.5
- C) 6
- D) 6.5

Correct Answer: B

Q163. Average of 12, 15, 18, 21, 24 is:

- A) 16
- B) 17
- C) 18
- D) 19

Correct Answer: C

Q164. Average of 5, 10, 15, 20 is:

- A) 10
- B) 12
- C) 12.5
- D) 15

Correct Answer: C

Q165. Average of first 5 even numbers (2,4,6,8,10):

- A) 5
- B) 6
- C) 7
- D) 8

Correct Answer: B

Q166. Average of first 5 odd numbers (1,3,5,7,9):

- A) 4
- B) 5
- C) 6
- D) 7

Correct Answer: B

Q167. Average of 100, 200, 300:

- A) 150
- B) 180
- C) 200
- D) 250

Correct Answer: C

Change in Average

Q168. Average of 5 numbers is 20. If one number 15 is replaced by 25, new average?

- A) 20
- B) 21
- C) 22
- D) 23

Correct Answer: C

Q169. Average of 4 numbers is 25. A 5th number 35 is added. New average?

- A) 26
- B) 27
- C) 28
- D) 29

Correct Answer: B

Q170. Average of 10 students is 40. One student scoring 30 leaves. New average?

- A) 40.5
- B) 41
- C) 41.1
- D) 42

Correct Answer: C

Age Problems

Q171. Average age of 5 members is 30 years. A baby is born. New average?

- A) 24
- B) 25
- C) 26
- D) 27

Correct Answer: B

Q172. Average age of A, B, C is 25 years. Average of A and B is 20. C's age?

- A) 30
- B) 33
- C) 35
- D) 40

Correct Answer: C

Basic Average

Q173. Sum of 6 numbers is 90. Average?

- A) 12
- B) 14
- C) 15
- D) 18

Correct Answer: C

Q174. Average weight of 8 boys is 50 kg. Total weight?

- A) 380 kg
- B) 400 kg
- C) 420 kg
- D) 450 kg

Correct Answer: B

Change in Average

Q175. Average marks of 30 students is 60. 5 students with average 40 leave. New average?

- A) 62
- B) 63
- C) 64
- D) 65

Correct Answer: C

Basic Average

Q176. If average of x , $x+2$, $x+4$, $x+6$ is 5, find x .

- A) 1
- B) 2
- C) 3
- D) 4

Correct Answer: B

Age Problems

Q177. Average age of 3 friends is 24. If youngest is 18, average of other two?

- A) 25
- B) 27
- C) 28
- D) 30

Correct Answer: B

Basic Average

Q178. Average of 7 consecutive numbers starting from 4?

- A) 6
- B) 7
- C) 8
- D) 9

Correct Answer: B

Change in Average

Q179. Average of 20 numbers is 15. If each number is increased by 5, new average?

- A) 15
- B) 17
- C) 18
- D) 20

Correct Answer: D

Q180. Average of 10 numbers is 25. If each is doubled, new average?

- A) 25
- B) 35
- C) 45
- D) 50

Correct Answer: D

Basic Average

Q181. Average of 3, 6, 9, 12, 15, 18 is:

- A) 9.5
- B) 10
- C) 10.5
- D) 11

Correct Answer: C

Age Problems

Q182. Present average age of father and son is 35 years. 5 years ago, average was?

- A) 25
- B) 28
- C) 30
- D) 32

Correct Answer: C

Basic Average

Q183. Average of first 20 natural numbers:

- A) 9.5
- B) 10
- C) 10.5
- D) 11

Correct Answer: C

Change in Average

Q184. Average of 5 numbers is 40. One number removed, average becomes 35. Removed number?

- A) 50
- B) 55
- C) 60
- D) 65

Correct Answer: C

Basic Average

Q185. Average of 8, 12, 16, 20, 24 is:

- A) 14
- B) 15
- C) 16
- D) 18

Correct Answer: C

Age Problems

Q186. 4 years ago, average age of a family of 4 was 20. Present average with a newborn?

- A) 16
- B) 17
- C) 18
- D) 19.2

Correct Answer: D

Change in Average

Q187. Class average is 50. A new student with marks 70 joins (31 students now). New average?

- A) 50.5
- B) 50.6
- C) 50.65
- D) 51

Correct Answer: C

Basic Average

Q188. Sum of 5 numbers is 125. Average?

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

Q189. Average speed if a car travels 120 km in 3 hours?

- A) 30 km/h
- B) 35 km/h
- C) 40 km/h
- D) 45 km/h

Correct Answer: C

Change in Average

Q190. Average of 6 numbers is 30. One more number is 51. New average?

- A) 31
- B) 32
- C) 33
- D) 34

Correct Answer: C

Age Problems

Present Age

Q191. A is 5 years older than B. Sum of ages = 35. A's age?

- A) 18
- B) 19
- C) 20
- D) 21

Correct Answer: C

Q192. Father is 3 times son's age. Sum = 48. Son's age?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Q193. Ratio of ages of X and Y is 3:5. Sum = 64. Y's age?

- A) 20
- B) 24
- C) 36
- D) 40

Correct Answer: D

Future Age

Q194. A is 20. In how many years will A be twice 18-year-old B's age?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: B

Q195. Present ages: P=30, Q=10. After how many years $P = 2Q$?

- A) 5
- B) 8
- C) 10
- D) 12

Correct Answer: C

Q196. Ram is 40, son is 10. In how many years will Ram be twice his son's age?

- A) 15
- B) 18
- C) 20
- D) 25

Correct Answer: C

Past Age

Q197. 5 years ago, A was 3 times B's age. A is 35, B is now?

- A) 12
- B) 14
- C) 15
- D) 16

Correct Answer: C

Q198. 6 years ago, M's age was half of N's age. N is 40 now. M is?

- A) 20
- B) 22
- C) 23
- D) 24

Correct Answer: C

Ratio Problems

Q199. Ages of A and B in ratio 4:3. After 6 years ratio = 5:4. A's present age?

- A) 20
- B) 24
- C) 28
- D) 32

Correct Answer: B

Q200. Ratio of father to son = 7:2. Father is 42. Son?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Present Age

Q201. Mother is 25 years older than daughter. Sum = 45. Mother's age?

- A) 30
- B) 32
- C) 35
- D) 38

Correct Answer: C

Future Age

Q202. A is 15. After how many years will he be 25?

- A) 8
- B) 9
- C) 10
- D) 12

Correct Answer: C

Past Age

Q203. 10 years ago, Raj was half his present age. His present age?

- A) 18
- B) 20
- C) 22
- D) 25

Correct Answer: B

Ratio Problems

Q204. A:B ages = 5:3. Difference = 12. A's age?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Present Age

Q205. Average of father and son is 30. Father is 20 years older. Son's age?

- A) 15
- B) 18
- C) 20
- D) 22

Correct Answer: C

Future Age

Q206. Ravi is 8. His father is 36. In how many years father = 3 times Ravi?

- A) 4
- B) 5
- C) 6
- D) 8

Correct Answer: C

Past Age

Q207. 3 years ago, ratio of A to B was 4:3. Now A is 19. B is?

- A) 14
- B) 15
- C) 16
- D) 17

Correct Answer: C

Present Age

Q208. A person's age 15 years hence will be 4 times his age 5 years ago. Present age?

- A) 10
- B) 11
- C) 12
- D) 15

Correct Answer: B

Ratio Problems

Q209. A and B ages ratio 2:5. After 8 years, ratio = 1:2. A's age?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: B

Future Age

Q210. Sum of ages of A and B = 40. After 5 years, sum will be?

- A) 45
- B) 48
- C) 50
- D) 55

Correct Answer: C

Past Age

Q211. Present age of X = 2 times what Y was 10 years ago. Y = 25 now. X = ?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Present Age

Q212. Difference of ages of two brothers is 4. Product is 60. Elder's age?

- A) 8
- B) 10
- C) 12
- D) 14

Correct Answer: B

Ratio Problems

Q213. Father:Son = 5:1. After 5 years, 3:1. Father's age now?

- A) 25
- B) 30
- C) 35
- D) 40

Correct Answer: A

Future Age

Q214. Mary is 12 now. In how many years will she be thrice her present age?

- A) 18
- B) 20
- C) 22
- D) 24

Correct Answer: D

Past Age

Q215. 4 years ago, A was 4 times B. A = 28 now. B now?

- A) 8
- B) 10
- C) 12
- D) 14

Correct Answer: B

Present Age

Q216. A man is 24 years older than his son. After 2 years, he will be 3 times his son's age. Son's present age?

- A) 8
- B) 10
- C) 12
- D) 14

Correct Answer: B

Ratio Problems

Q217. Ages of mother and daughter 3:1. After 5 years, 5:2. Mother now?

- A) 35
- B) 40
- C) 45
- D) 50

Correct Answer: C

Future Age

Q218. P is 30, Q is 20. When will their ages be 3:2?

- A) After 5 years
- B) Never possible
- C) After 10 years
- D) They are already 3:2

Correct Answer: D

Past Age

Q219. 10 years ago, mother was 3 times son. Mother is 40 now. Son?

- A) 18
- B) 20
- C) 22
- D) 25

Correct Answer: B

Present Age

Q220. Grandson is $\frac{1}{6}$ of grandfather's age. Grandfather is 72. Grandson?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Percentage

Basic

Q221. What is 25% of 200?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Q222. 15% of 400 is:

- A) 50
- B) 55
- C) 60
- D) 65

Correct Answer: C

Q223. What is 8% of 250?

- A) 18
- B) 19
- C) 20
- D) 22

Correct Answer: C

Q224. 40% of 350 is:

- A) 130
- B) 135
- C) 140
- D) 145

Correct Answer: C

Conversion

Q225. Express $\frac{3}{5}$ as a percentage:

- A) 50%
- B) 55%
- C) 60%
- D) 65%

Correct Answer: C

Q226. Express 0.45 as percentage:

- A) 4.5%
- B) 40%
- C) 45%
- D) 450%

Correct Answer: C

Q227. What fraction is 75%?

- A) $\frac{1}{2}$
- B) $\frac{2}{3}$
- C) $\frac{3}{4}$
- D) $\frac{4}{5}$

Correct Answer: C

Increase

Q228. A number increased by 20% becomes 60. The number?

- A) 45
- B) 48
- C) 50
- D) 55

Correct Answer: C

Q229. Price of item goes from Rs. 80 to Rs. 100. Percentage increase?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

Correct Answer: C

Decrease

Q230. A value decreases from 200 to 150. Decrease %?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Q231. Population drops from 5000 to 4500. Decrease %?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Basic

Q232. 30% of 600:

- A) 160
- B) 170
- C) 180
- D) 190

Correct Answer: C

Q233. 12.5% of 480:

- A) 50
- B) 55
- C) 58
- D) 60

Correct Answer: D

Increase

Q234. A salary of Rs. 20000 increased by 10%. New salary?

- A) Rs. 21000
- B) Rs. 22000
- C) Rs. 23000
- D) Rs. 24000

Correct Answer: B

Decrease

Q235. After 20% discount, price is Rs. 320. Original price?

- A) Rs. 380
- B) Rs. 390
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

Basic

Q236. What percent of 50 is 10?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Q237. What percent of 80 is 20?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Conversion

Q238. $\frac{1}{8}$ as percentage:

- A) 8%
- B) 10%
- C) 12%
- D) 12.5%

Correct Answer: D

Increase

Q239. Marks: 60 out of 80. Percentage?

- A) 70%
- B) 72%
- C) 75%
- D) 80%

Correct Answer: C

Decrease

Q240. Salary Rs. 25000, tax 10%. Take-home pay?

- A) Rs. 22000
- B) Rs. 22500
- C) Rs. 23000
- D) Rs. 24000

Correct Answer: B

Basic

Q241. What is 33.33% of 900?

- A) 280
- B) 290
- C) 300
- D) 310

Correct Answer: C

Increase

Q242. If 40% of a number is 80, the number is:

- A) 180
- B) 190
- C) 200
- D) 220

Correct Answer: C

Decrease

Q243. A stock drops 25% from Rs. 800. New price?

- A) Rs. 550
- B) Rs. 575
- C) Rs. 600
- D) Rs. 625

Correct Answer: C

Conversion

Q244. Express 7/20 as percentage:

- A) 30%
- B) 32%
- C) 35%
- D) 37%

Correct Answer: C

Increase

Q245. Population increases from 10000 to 12000. Increase?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Decrease

Q246. Exam: Max marks 500, pass marks 40%. Pass marks?

- A) 180
- B) 190
- C) 200
- D) 220

Correct Answer: C

Basic

Q247. 5% of 1200 is:

- A) 50
- B) 55
- C) 60
- D) 65

Correct Answer: C

Increase

Q248. Rs. 500 invested, returns Rs. 550. % return?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Decrease

Q249. Weight goes from 80 kg to 68 kg. % decrease?

- A) 12%
- B) 13%
- C) 14%
- D) 15%

Correct Answer: D

Conversion

Q250. Express $\frac{2}{25}$ as percentage:

- A) 6%
- B) 7%
- C) 8%
- D) 10%

Correct Answer: C

Speed Time Distance

Speed Formula

Q251. A car covers 180 km in 3 hours. Speed?

- A) 50 km/h
- B) 55 km/h
- C) 60 km/h
- D) 65 km/h

Correct Answer: C

Q252. Speed = 40 km/h, Time = 5 hours. Distance?

- A) 180 km
- B) 190 km
- C) 200 km
- D) 220 km

Correct Answer: C

Q253. Distance = 300 km, Speed = 60 km/h. Time?

- A) 4 hrs
- B) 4.5 hrs
- C) 5 hrs
- D) 5.5 hrs

Correct Answer: C

Q254. A train covers 450 km in 5 hours. Speed?

- A) 80 km/h
- B) 85 km/h
- C) 90 km/h
- D) 95 km/h

Correct Answer: C

Q255. Speed = 72 km/h. Distance in 2.5 hrs?

- A) 160 km
- B) 170 km
- C) 180 km
- D) 190 km

Correct Answer: C

Q256. A man walks 6 km in 1.5 hours. Speed?

- A) 3 km/h
- B) 3.5 km/h
- C) 4 km/h
- D) 4.5 km/h

Correct Answer: C

Q257. A cyclist covers 45 km at 15 km/h. Time?

- A) 2 hrs
- B) 2.5 hrs
- C) 3 hrs
- D) 3.5 hrs

Correct Answer: C

Average Speed

Q258. A car goes 60 km at 30 km/h and returns at 20 km/h. Average speed?

- A) 22 km/h
- B) 24 km/h
- C) 25 km/h
- D) 26 km/h

Correct Answer: B

Q259. A man goes 100 km at 50 km/h and 100 km at 25 km/h. Average speed?

- A) 30 km/h
- B) 33.3 km/h
- C) 35 km/h
- D) 37.5 km/h

Correct Answer: B

Q260. Travel 40 km at 40 km/h and 40 km at 60 km/h. Average speed?

- A) 45 km/h
- B) 48 km/h
- C) 50 km/h
- D) 52 km/h

Correct Answer: B

Conversion

Q261. Convert 90 km/h to m/s:

- A) 20 m/s
- B) 22 m/s
- C) 25 m/s
- D) 30 m/s

Correct Answer: C

Q262. Convert 15 m/s to km/h:

- A) 45 km/h
- B) 50 km/h
- C) 54 km/h
- D) 60 km/h

Correct Answer: C

Q263. Convert 36 km/h to m/s:

- A) 8 m/s
- B) 9 m/s
- C) 10 m/s
- D) 12 m/s

Correct Answer: C

Speed Formula

Q264. A bus travels 250 km in 5 hours. Speed?

- A) 40 km/h
- B) 45 km/h
- C) 50 km/h
- D) 55 km/h

Correct Answer: C

Q265. Speed 80 km/h. Time for 240 km?

- A) 2 hrs
- B) 2.5 hrs
- C) 3 hrs
- D) 3.5 hrs

Correct Answer: C

Q266. A horse runs at 60 km/h for 40 minutes. Distance?

- A) 30 km
- B) 35 km
- C) 40 km
- D) 45 km

Correct Answer: C

Average Speed

Q267. Half distance at 40 km/h, other half at 60 km/h. Average speed?

- A) 46 km/h
- B) 48 km/h
- C) 50 km/h
- D) 52 km/h

Correct Answer: B

Speed Formula

Q268. A train 200 m long passes a pole in 10 seconds. Speed?

- A) 18 km/h
- B) 54 km/h
- C) 72 km/h
- D) 90 km/h

Correct Answer: C

Q269. A person covers 12 km in 2 hours walking and 30 km in 1 hour by bus. Total time for 42 km?

- A) 2 hrs
- B) 3 hrs
- C) 4 hrs
- D) 5 hrs

Correct Answer: B

Conversion

Q270. 54 km/h in m/s:

- A) 12 m/s
- B) 13 m/s
- C) 15 m/s
- D) 18 m/s

Correct Answer: C

Speed Formula

Q271. Time = 45 min, Speed = 80 km/h. Distance?

- A) 50 km
- B) 55 km
- C) 60 km
- D) 65 km

Correct Answer: C

Average Speed

Q272. Goes 30 km at 10 km/h, 30 km at 30 km/h. Average speed?

- A) 12 km/h
- B) 15 km/h
- C) 18 km/h
- D) 20 km/h

Correct Answer: B

Speed Formula

Q273. A car travels 150 km at 50 km/h. Departure 8 AM. Arrival?

- A) 10 AM
- B) 10:30 AM
- C) 11 AM
- D) 11:30 AM

Correct Answer: C

Conversion

Q274. 10 m/s = ? km/h

- A) 30
- B) 32
- C) 36
- D) 40

Correct Answer: C

Speed Formula

Q275. A ship moves 20 km/h. How far in 6 hours?

- A) 100 km
- B) 110 km
- C) 120 km
- D) 130 km

Correct Answer: C

Average Speed

Q276. First half at 20 km/h, second half at 30 km/h. Average speed for 120 km?

- A) 22 km/h
- B) 24 km/h
- C) 25 km/h
- D) 26 km/h

Correct Answer: B

Speed Formula

Q277. A truck at 40 km/h takes 6 hours. At 60 km/h it takes?

- A) 3 hrs
- B) 3.5 hrs
- C) 4 hrs
- D) 4.5 hrs

Correct Answer: C

Q278. Train speed 90 km/h. How many km in 20 minutes?

- A) 25 km
- B) 28 km
- C) 30 km
- D) 35 km

Correct Answer: C

Average Speed

Q279. 30 km at 30 km/h, 30 km at 15 km/h. Average speed?

- A) 18 km/h
- B) 20 km/h
- C) 22 km/h
- D) 25 km/h

Correct Answer: B

Conversion

Q280. 108 km/h = ? m/s

- A) 25 m/s
- B) 28 m/s
- C) 30 m/s
- D) 32 m/s

Correct Answer: C

Two-Speed Problems

Relative Speed

Q281. Two cars move towards each other at 40 km/h and 60 km/h. Relative speed?

- A) 20 km/h
- B) 80 km/h
- C) 100 km/h
- D) 120 km/h

Correct Answer: C

Q282. Two trains same direction: 80 km/h and 60 km/h. Relative speed?

- A) 10 km/h
- B) 15 km/h
- C) 20 km/h
- D) 25 km/h

Correct Answer: C

Meeting Point

Q283. A and B start from ends 100 km apart at 30 and 20 km/h towards each other. Meet in?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Q284. Two people 60 km apart walk towards each other at 4 km/h and 6 km/h. Meet in?

- A) 4 hrs
- B) 5 hrs
- C) 6 hrs
- D) 8 hrs

Correct Answer: C

Relative Speed

Q285. A car at 50 km/h chases one at 30 km/h. Gap = 40 km. Time to catch?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Meeting Point

Q286. Two trains 200 km apart approach at 70 km/h and 30 km/h. Meet in?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Relative Speed

Q287. A walks at 5 km/h, B at 3 km/h same direction. Gap increases by how much per hour?

- A) 1 km
- B) 2 km
- C) 3 km
- D) 8 km

Correct Answer: B

Meeting Point

Q288. P and Q start at same time from A and B (150 km apart) towards each other at 40 and 35 km/h. Meet in?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Relative Speed

Q289. Two cyclists opposite direction: 12 km/h and 8 km/h. Relative speed?

- A) 4 km/h
- B) 10 km/h
- C) 16 km/h
- D) 20 km/h

Correct Answer: D

Meeting Point

Q290. A and B, 240 km apart, move towards each other at 50 and 70 km/h. Time to meet?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Relative Speed

Q291. Train A: 90 km/h. Train B: 60 km/h (same direction). Relative speed in m/s?

- A) 8.33 m/s
- B) 10 m/s
- C) 15 m/s
- D) 25 m/s

Correct Answer: A

Meeting Point

Q292. Two children run towards each other from 80 m apart at 3 m/s and 5 m/s. Meet in?

- A) 8 s
- B) 10 s
- C) 12 s
- D) 15 s

Correct Answer: B

Relative Speed

Q293. If you walk at 6 km/h and a bus goes at 36 km/h in same direction, bus relative to you?

- A) 6 km/h
- B) 26 km/h
- C) 30 km/h
- D) 42 km/h

Correct Answer: C

Meeting Point

Q294. Two boats 120 km apart approach at 15 km/h each. Meet in?

- A) 2 hrs
- B) 3 hrs
- C) 4 hrs
- D) 5 hrs

Correct Answer: C

Relative Speed

Q295. Two friends walk in opposite directions from same point at 4 km/h and 5 km/h. After 3 hours, gap?

- A) 3 km
- B) 9 km
- C) 12 km
- D) 27 km

Correct Answer: D

Meeting Point

Q296. A starts from X at 20 km/h. B starts from Y (100 km away) at 30 km/h towards X. Meet in?

- A) 1 hr
- B) 2 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: B

Relative Speed

Q297. Trains 120 m and 80 m long cross each other in 4 s (opposite). Sum of speeds in m/s?

- A) 40 m/s
- B) 45 m/s
- C) 50 m/s
- D) 55 m/s

Correct Answer: C

Meeting Point

Q298. Two joggers start from same point in opposite directions at 8 km/h and 12 km/h. After 1 hr, distance?

- A) 4 km
- B) 10 km
- C) 16 km
- D) 20 km

Correct Answer: D

Relative Speed

Q299. A 100 m train at 72 km/h passes a 50 m train (same direction) at 54 km/h. Time?

- A) 20 s
- B) 25 s
- C) 30 s
- D) 35 s

Correct Answer: C

Meeting Point

Q300. Two cars 300 km apart reach each other. Speeds 40 & 60 km/h. They meet after?

- A) 2 hrs
- B) 3 hrs
- C) 4 hrs
- D) 5 hrs

Correct Answer: B

Wheel Problems

Revolutions

Q301. A wheel of circumference 2 m covers 100 m. Revolutions?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Q302. Diameter of wheel = 70 cm. Circumference? ($\pi = 22/7$)

- A) 200 cm
- B) 210 cm
- C) 220 cm
- D) 240 cm

Correct Answer: C

Q303. Wheel circumference = 4 m. Revolutions in 1 km?

- A) 200
- B) 250
- C) 300
- D) 350

Correct Answer: B

Q304. A wheel makes 500 revolutions to cover 1 km. Circumference?

- A) 1 m
- B) 1.5 m
- C) 2 m
- D) 2.5 m

Correct Answer: C

Q305. Wheel radius 35 cm. Circumference?

- A) 200 cm
- B) 210 cm
- C) 220 cm
- D) 250 cm

Correct Answer: C

Q306. Wheel circumference = 1.5 m. Distance in 200 revolutions?

- A) 250 m
- B) 280 m
- C) 300 m
- D) 350 m

Correct Answer: C

Q307. A tyre diameter 56 cm. Revolutions for 176 m? ($\pi=22/7$)

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Q308. Wheel makes 10 revolutions per second. Circumference 3 m. Speed in m/s?

- A) 20 m/s
- B) 25 m/s
- C) 30 m/s
- D) 35 m/s

Correct Answer: C

Q309. Circumference 5 m. Revolutions in 500 m?

- A) 50
- B) 80
- C) 100
- D) 120

Correct Answer: C

Q310. A wheel of radius 14 cm makes 100 revolutions. Distance? ($\pi=22/7$)

- A) 8000 cm
- B) 8400 cm
- C) 8800 cm
- D) 9200 cm

Correct Answer: C

Q311. Wheel diameter = 1 m. Circumference approx? ($\pi=3.14$)

- A) 2.14 m
- B) 2.94 m
- C) 3.14 m
- D) 3.54 m

Correct Answer: C

Q312. A circular track radius 7 m. One lap distance? ($\pi=22/7$)

- A) 40 m
- B) 42 m
- C) 44 m
- D) 48 m

Correct Answer: C

Q313. Wheel circumference 88 cm. Revolutions in 88 m?

- A) 50
- B) 80
- C) 100
- D) 120

Correct Answer: C

Q314. A wheel of diameter 2.8 m. Revolutions in 440 m? ($\pi=22/7$)

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Q315. Wheel makes 600 revolutions/min. Circumference 0.5 m. Speed in m/min?

- A) 250
- B) 280
- C) 300
- D) 350

Correct Answer: C

Q316. Wheel radius 21 cm. How many revolutions for 132 m? ($\pi=22/7$)

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Q317. Circumference = 66 cm. Distance in 1000 revolutions?

- A) 550 m
- B) 600 m
- C) 660 m
- D) 700 m

Correct Answer: C

Q318. A roller 2 m circumference covers a 50 m road. Revolutions?

- A) 20
- B) 25
- C) 30
- D) 35

Correct Answer: B

Q319. Wheel $r = 7$ m. Circumference? ($\pi=22/7$)

- A) 40 m
- B) 42 m
- C) 44 m
- D) 46 m

Correct Answer: C

Q320. A wheel rotates 5 times per second, circumference 2 m. Distance in 1 minute?

- A) 500 m
- B) 550 m
- C) 600 m
- D) 650 m

Correct Answer: C

Q321. Wheel diameter 42 cm. Revolutions for 66 m? ($\pi=22/7$)

- A) 40
- B) 50
- C) 60
- D) 70

Correct Answer: B

Q322. A gear wheel of circumference 10 cm meshes with one of 5 cm. Big wheel makes 100 revolutions. Small?

- A) 100
- B) 150
- C) 200
- D) 250

Correct Answer: C

Q323. Cycle wheel diameter 63 cm. Distance in 100 revolutions?

- A) 180 m
- B) 190 m
- C) 198 m
- D) 210 m

Correct Answer: C

Q324. Wheel circumference 110 cm. Distance in 500 revolutions?

- A) 450 m
- B) 500 m
- C) 550 m
- D) 600 m

Correct Answer: C

Q325. A miniature wheel of radius 3.5 cm. Circumference? ($\pi=22/7$)

- A) 20 cm
- B) 22 cm
- C) 24 cm
- D) 25 cm

Correct Answer: B

Q326. A wheel moves 440 m in 200 revolutions. Circumference?

- A) 1.8 m
- B) 2 m
- C) 2.2 m
- D) 2.5 m

Correct Answer: C

Q327. Wheel radius 10.5 m, revolutions for 330 m? ($\pi=22/7$)

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Q328. An engine wheel radius 0.5 m. rpm = 300. Distance per minute?

- A) 900 m
- B) 942 m
- C) 960 m
- D) 1000 m

Correct Answer: B

Q329. A toy car wheel circumference 22 cm travels 11 m. Revolutions?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Q330. Wheel diameter 28 cm. Distance in 250 revolutions? ($\pi=22/7$)

- A) 200 m
- B) 210 m
- C) 220 m
- D) 240 m

Correct Answer: C

Basic Arithmetic

Addition

Q331. $567 + 433 = ?$

- A) 900
- B) 990
- C) 1000
- D) 1100

Correct Answer: C

Q332. $1234 + 4766 = ?$

- A) 5900
- B) 5990
- C) 6000
- D) 6100

Correct Answer: C

Subtraction

Q333. $5000 - 2345 = ?$

- A) 2555
- B) 2655
- C) 2755
- D) 2855

Correct Answer: B

Q334. $10000 - 6789 = ?$

- A) 3111
- B) 3211
- C) 3311
- D) 3411

Correct Answer: B

Multiplication

Q335. $125 \times 8 = ?$

- A) 900
- B) 950
- C) 1000
- D) 1050

Correct Answer: C

Q336. $36 \times 25 = ?$

- A) 800
- B) 850
- C) 900
- D) 950

Correct Answer: C

Division

Q337. $7200 \div 90 = ?$

- A) 70
- B) 75
- C) 80
- D) 85

Correct Answer: C

Q338. $1440 / 12 = ?$

- A) 110
- B) 115
- C) 120
- D) 125

Correct Answer: C

Squares

Q339. What is 15 squared?

- A) 200
- B) 215
- C) 225
- D) 250

Correct Answer: C

Q340. What is 25 squared?

- A) 525
- B) 575
- C) 600
- D) 625

Correct Answer: D

Cubes

Q341. What is 5 cubed?

- A) 100
- B) 115
- C) 120
- D) 125

Correct Answer: D

Q342. What is 4 cubed?

- A) 48
- B) 56
- C) 64
- D) 72

Correct Answer: C

LCM

Q343. LCM of 12 and 18?

- A) 24
- B) 30
- C) 36
- D) 48

Correct Answer: C

Q344. LCM of 6, 8, and 12?

- A) 12
- B) 18
- C) 24
- D) 36

Correct Answer: C

HCF

Q345. HCF of 24 and 36?

- A) 6
- B) 8
- C) 10
- D) 12

Correct Answer: D

Q346. HCF of 18, 27, and 45?

- A) 3
- B) 6
- C) 9
- D) 18

Correct Answer: C

Fractions

Q347. $\frac{1}{3} + \frac{1}{6} = ?$

- A) $\frac{1}{4}$
- B) $\frac{1}{3}$
- C) $\frac{1}{2}$
- D) $\frac{2}{3}$

Correct Answer: C

Q348. $\frac{3}{4} - \frac{1}{2} = ?$

- A) $\frac{1}{8}$
- B) $\frac{1}{6}$
- C) $\frac{1}{4}$
- D) $\frac{1}{3}$

Correct Answer: C

Q349. $\frac{2}{5} \times \frac{5}{6} = ?$

- A) $\frac{1}{4}$
- B) $\frac{1}{3}$
- C) $\frac{2}{6}$
- D) $\frac{2}{3}$

Correct Answer: B

Q350. $\frac{3}{4} \div \frac{1}{2} = ?$

- A) $\frac{1}{2}$
- B) $\frac{3}{4}$
- C) $\frac{3}{2}$
- D) 2

Correct Answer: C

Decimals

Q351. $0.25 + 0.75 = ?$

- A) 0.90
- B) 0.95
- C) 1.00
- D) 1.05

Correct Answer: C

Q352. $3.6 \times 2.5 = ?$

- A) 7.5
- B) 8.0
- C) 8.5
- D) 9.0

Correct Answer: D

Q353. $7.2 \div 0.9 = ?$

- A) 7
- B) 7.5
- C) 8
- D) 8.5

Correct Answer: C

Number Problems

Q354. Sum of two numbers is 50, difference is 10. Larger number?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Q355. Product of two numbers = 192. One is 12. Other?

- A) 14
- B) 15
- C) 16
- D) 18

Correct Answer: C

Q356. A number when doubled and added to 15 gives 45. The number?

- A) 10
- B) 12
- C) 15
- D) 18

Correct Answer: C

Q357. Three consecutive numbers sum to 33. Middle number?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: B

Q358. Two-thirds of a number is 40. The number?

- A) 50
- B) 55
- C) 60
- D) 65

Correct Answer: C

Squares

Q359. Square root of 144?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: C

Q360. Square root of 196?

- A) 12
- B) 13
- C) 14
- D) 15

Correct Answer: C

LCM

Q361. LCM of 15 and 20?

- A) 40
- B) 50
- C) 60
- D) 80

Correct Answer: C

HCF**Q362. HCF of 48 and 60?**

- A) 6
- B) 8
- C) 10
- D) 12

Correct Answer: D**Fractions****Q363. Which is greater: $\frac{3}{5}$ or $\frac{5}{8}$?**

- A) $\frac{3}{5}$
- B) $\frac{5}{8}$
- C) Both equal
- D) Cannot tell

Correct Answer: B**Number Problems****Q364. If $5x - 3 = 12$, then $x = ?$**

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B**Q365. A number increased by 25% becomes 100. The number?**

- A) 70
- B) 75
- C) 80
- D) 85

Correct Answer: C**Word Problems****Purchases****Q366. 20 pens cost Rs. 300. Cost of 8 pens?**

- A) Rs. 100
- B) Rs. 110
- C) Rs. 120
- D) Rs. 130

Correct Answer: C

Q367. 12 notebooks cost Rs. 180. Cost of 20 notebooks?

- A) Rs. 280
- B) Rs. 290
- C) Rs. 300
- D) Rs. 310

Correct Answer: C

Q368. A dozen eggs costs Rs. 60. Cost of 30 eggs?

- A) Rs. 120
- B) Rs. 140
- C) Rs. 150
- D) Rs. 180

Correct Answer: C

Money

Q369. A man has Rs. 500. He spends Rs. 150 on food, Rs. 100 on travel. Left?

- A) Rs. 200
- B) Rs. 225
- C) Rs. 250
- D) Rs. 275

Correct Answer: C

Q370. Ravi earns Rs. 800/day. In 15 days he earns?

- A) Rs. 10000
- B) Rs. 11000
- C) Rs. 12000
- D) Rs. 13000

Correct Answer: C

Distribution

Q371. 24 chocolates distributed equally among 8 children. Each gets?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Q372. Rs. 3000 divided equally among 12 workers. Each gets?

- A) Rs. 200
- B) Rs. 225
- C) Rs. 250
- D) Rs. 275

Correct Answer: C

Mixtures

Q373. Mix 3 litres at Rs. 40/L and 2 litres at Rs. 60/L. Cost per litre of mix?

- A) Rs. 44
- B) Rs. 46
- C) Rs. 48
- D) Rs. 50

Correct Answer: C

Purchases

Q374. 5 kg apples at Rs. 120/kg. Total cost?

- A) Rs. 500
- B) Rs. 550
- C) Rs. 600
- D) Rs. 650

Correct Answer: C

Money

Q375. A worker earns Rs. 450/day and spends Rs. 300. Savings in 30 days?

- A) Rs. 3500
- B) Rs. 4000
- C) Rs. 4500
- D) Rs. 5000

Correct Answer: C

Distribution

Q376. A rope of 20 m cut into 5 equal pieces. Each piece?

- A) 3 m
- B) 3.5 m
- C) 4 m
- D) 5 m

Correct Answer: C

Purchases

Q377. A shirt costs Rs. 600 and a trouser Rs. 900. Total for 2 shirts and 1 trouser?

- A) Rs. 1800
- B) Rs. 2000
- C) Rs. 2100
- D) Rs. 2200

Correct Answer: C

Money

Q378. Total bill: Rs. 5000. Paid Rs. 3200. Balance due?

- A) Rs. 1600
- B) Rs. 1700
- C) Rs. 1800
- D) Rs. 1900

Correct Answer: C

Distribution

Q379. 72 students in 6 equal groups. Students per group?

- A) 10
- B) 11
- C) 12
- D) 14

Correct Answer: C

Mixtures

Q380. A tank has 200 L of 30% salt solution. How much salt?

- A) 50 L
- B) 55 L
- C) 60 L
- D) 65 L

Correct Answer: C

Purchases

Q381. 3 kg rice at Rs. 50/kg and 2 kg dal at Rs. 80/kg. Total?

- A) Rs. 290
- B) Rs. 300
- C) Rs. 310
- D) Rs. 320

Correct Answer: C

Money

Q382. Pocket money Rs. 1000/month. Save 30%. Savings?

- A) Rs. 250
- B) Rs. 280
- C) Rs. 290
- D) Rs. 300

Correct Answer: D

Distribution

Q383. 132 books on 12 shelves equally. Books per shelf?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: B

Purchases

Q384. Bus fare Rs. 15 per trip. Cost for 20 trips?

- A) Rs. 250
- B) Rs. 280
- C) Rs. 300
- D) Rs. 320

Correct Answer: C

Money

Q385. A and B together have Rs. 600. A has Rs. 100 more than B. B has?

- A) Rs. 200
- B) Rs. 225
- C) Rs. 250
- D) Rs. 300

Correct Answer: C

Distribution

Q386. A teacher distributes 45 sweets among 5 students equally. Each gets?

- A) 7
- B) 8
- C) 9
- D) 10

Correct Answer: C

Mixtures

Q387. 60 L milk, 40 L water. Ratio?

- A) 2:3
- B) 3:2
- C) 3:4
- D) 4:3

Correct Answer: B

Purchases

Q388. Petrol at Rs. 100/L. Cost for 15 litres?

- A) Rs. 1200
- B) Rs. 1400
- C) Rs. 1500
- D) Rs. 1600

Correct Answer: C

Money

Q389. EMI of Rs. 5000 for 12 months. Total paid?

- A) Rs. 50000
- B) Rs. 55000
- C) Rs. 60000
- D) Rs. 65000

Correct Answer: C

Basic Arithmetic

Number Problems

Q390. Half of $\frac{3}{4}$ of 200 = ?

- A) 50
- B) 60
- C) 75
- D) 100

Correct Answer: C

Q391. What is 40% of 250?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Multiplication

Q392. $999 \times 5 = ?$

- A) 4985
- B) 4990
- C) 4995
- D) 5000

Correct Answer: C

Division

Q393. $4800 / 60 = ?$

- A) 70
- B) 75
- C) 80
- D) 85

Correct Answer: C

LCM

Q394. LCM of 4, 6, 10?

- A) 30
- B) 40
- C) 50
- D) 60

Correct Answer: D

HCF

Q395. HCF of 36, 54?

- A) 9
- B) 12
- C) 16
- D) 18

Correct Answer: D

Decimals

Q396. $0.5 \times 0.5 = ?$

- A) 0.10
- B) 0.20
- C) 0.25
- D) 0.50

Correct Answer: C

Fractions

Q397. $5/8 - 3/8 = ?$

- A) $1/8$
- B) $1/4$
- C) $3/8$
- D) $1/2$

Correct Answer: B

Word Problems

Purchases

Q398. A pen costs Rs. 10, pencil Rs. 5. Cost of 6 pens and 4 pencils?

- A) Rs. 70
- B) Rs. 75
- C) Rs. 80
- D) Rs. 85

Correct Answer: C

Money

Q399. Salary Rs. 30000. Rent 25%. Amount for rent?

- A) Rs. 6000
- B) Rs. 6500
- C) Rs. 7000
- D) Rs. 7500

Correct Answer: D

Distribution

Q400. A cake cut into 8 equal pieces. 3 people eat 2 pieces each. Remaining?

- A) 1
- B) 2
- C) 3
- D) 4

Correct Answer: B

Basic Arithmetic

Number Problems

Q401. Sum of first 10 even numbers?

- A) 100
- B) 110
- C) 120
- D) 130

Correct Answer: B

Q402. Sum of first 10 odd numbers?

- A) 90
- B) 95
- C) 100
- D) 110

Correct Answer: C

Squares**Q403. What is 12 squared?**

- A) 124
- B) 134
- C) 144
- D) 154

Correct Answer: C**Cubes****Q404. Cube of 3?**

- A) 9
- B) 18
- C) 27
- D) 36

Correct Answer: C**Word Problems****Money****Q405. Buy 3 shirts at Rs. 700 each, get 10% off total. You pay?**

- A) Rs. 1800
- B) Rs. 1890
- C) Rs. 1950
- D) Rs. 2000

Correct Answer: B**Purchases****Q406. 1 kg sugar Rs. 45. Cost of 8 kg?**

- A) Rs. 340
- B) Rs. 350
- C) Rs. 360
- D) Rs. 370

Correct Answer: C**Distribution****Q407. A garden 120 m perimeter, fence posts every 4 m. Posts needed?**

- A) 25
- B) 28
- C) 30
- D) 32

Correct Answer: C

Money

Q408. Monthly income Rs. 40000. Saves 20%. Annual savings?

- A) Rs. 80000
- B) Rs. 88000
- C) Rs. 96000
- D) Rs. 100000

Correct Answer: C

Simple Interest

SI Formula

Q409. SI on Rs. 6500 at 8% for 3 years:

- A) Rs. 1460
- B) Rs. 1500
- C) Rs. 1560
- D) Rs. 1600

Correct Answer: C

Amount

Q410. Rs. 3500 at 6% SI for 4 years. Amount?

- A) Rs. 4240
- B) Rs. 4300
- C) Rs. 4340
- D) Rs. 4400

Correct Answer: C

Rate

Q411. Rs. 4000 becomes Rs. 5200 in 3 years. Rate?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Time

Q412. In how many years does Rs. 3000 earn Rs. 900 at 10%?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Principal

Q413. Interest = Rs. 540 at 9% for 2 years. Principal?

- A) Rs. 2800
- B) Rs. 3000
- C) Rs. 3200
- D) Rs. 3500

Correct Answer: B

Amount

Q414. Rs. 7500 at 4% SI for 5 years. Amount?

- A) Rs. 8800
- B) Rs. 9000
- C) Rs. 9200
- D) Rs. 9500

Correct Answer: B

SI Formula

Q415. SI on Rs. 2400 at 7.5% for 2 years:

- A) Rs. 340
- B) Rs. 350
- C) Rs. 360
- D) Rs. 380

Correct Answer: C

Rate

Q416. Rs. 5000 earns Rs. 750 in 2.5 years. Rate?

- A) 5%
- B) 6%
- C) 7%
- D) 8%

Correct Answer: B

Time

Q417. Rs. 8000 at 5% gives Rs. 2000. Time?

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: C

Principal

Q418. Amount = Rs. 6600, SI = Rs. 600, Time = 2 years. Rate?

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: B

Amount

Q419. Rs. 9000 at 11% for 2 years. SI?

- A) Rs. 1800
- B) Rs. 1900
- C) Rs. 1980
- D) Rs. 2000

Correct Answer: C

SI Formula

Q420. SI on Rs. 1800 at 10% for 18 months:

- A) Rs. 240
- B) Rs. 260
- C) Rs. 270
- D) Rs. 280

Correct Answer: C

Rate

Q421. A sum doubles in 5 years at SI. Rate?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Time

Q422. Rs. 2000 at 8% SI to earn Rs. 480. Time?

- A) 2 years
- B) 3 years
- C) 4 years
- D) 5 years

Correct Answer: B

Principal

Q423. SI = Rs. 1200 at 10% for 4 years. Principal?

- A) Rs. 2500
- B) Rs. 2800
- C) Rs. 3000
- D) Rs. 3200

Correct Answer: C

Amount

Q424. Rs. 4500 at 8% for 2.5 years. Amount?

- A) Rs. 5300
- B) Rs. 5350
- C) Rs. 5400
- D) Rs. 5500

Correct Answer: C

SI Formula

Q425. SI on Rs. 20000 at 6% for 9 months:

- A) Rs. 800
- B) Rs. 850
- C) Rs. 900
- D) Rs. 950

Correct Answer: C

Rate

Q426. Rs. 3600 gives Rs. 432 SI in 2 years. Rate?

- A) 5%
- B) 6%
- C) 7%
- D) 8%

Correct Answer: B

Time

Q427. A sum at 12% SI earns half of itself. Time?

- A) 3 years
- B) 4 years
- C) 4.17 years
- D) 5 years

Correct Answer: C

Amount

Q428. Rs. 15000 at 10% for 3 years. Total amount?

- A) Rs. 18000
- B) Rs. 19000
- C) Rs. 19500
- D) Rs. 20000

Correct Answer: C

Profit & Loss

Profit %

Q429. CP Rs. 300, SP Rs. 360. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q430. CP Rs. 450, SP Rs. 360. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

SP from Profit

Q431. CP Rs. 750, gain 12%. SP?

- A) Rs. 830
- B) Rs. 840
- C) Rs. 850
- D) Rs. 860

Correct Answer: B

CP from SP

Q432. SP Rs. 936, profit 17%. CP?

- A) Rs. 780
- B) Rs. 790
- C) Rs. 800
- D) Rs. 810

Correct Answer: C

Discount

Q433. MP Rs. 600, discount 5%. SP?

- A) Rs. 550
- B) Rs. 555
- C) Rs. 560
- D) Rs. 570

Correct Answer: D

Profit %

Q434. Buy at Rs. 40/unit, sell at Rs. 52/unit. Profit %?

- A) 25%
- B) 28%
- C) 30%
- D) 35%

Correct Answer: C

Loss %

Q435. A laptop bought for Rs. 40000, sold for Rs. 34000. Loss %?

- A) 12%
- B) 13%
- C) 15%
- D) 18%

Correct Answer: C

SP from Loss

Q436. CP Rs. 1200, loss 8%. SP?

- A) Rs. 1090
- B) Rs. 1096
- C) Rs. 1100
- D) Rs. 1104

Correct Answer: D

Discount

Q437. MP Rs. 900, discount 20%, then 10%. Final SP?

- A) Rs. 620
- B) Rs. 640
- C) Rs. 648
- D) Rs. 660

Correct Answer: C

CP from SP

Q438. SP Rs. 450, loss 10%. CP?

- A) Rs. 480
- B) Rs. 490
- C) Rs. 500
- D) Rs. 510

Correct Answer: C

Profit %

Q439. Bought 15 items for Rs. 150, sold all for Rs. 12 each. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Discount

Q440. MP Rs. 1500. After 10% discount, profit is 20% on CP. CP?

- A) Rs. 1100
- B) Rs. 1125
- C) Rs. 1150
- D) Rs. 1200

Correct Answer: B

SP from Profit

Q441. CP Rs. 2000, profit Rs. 300. Profit %?

- A) 12%
- B) 13%
- C) 15%
- D) 18%

Correct Answer: C

Loss %

Q442. CP Rs. 650, loss Rs. 65. Loss %?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Discount

Q443. Discount of Rs. 150 on MP Rs. 750. Discount %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Profit %

Q444. SP = 5/4 of CP. Profit %?

- A) 20%
- B) 25%
- C) 30%
- D) 40%

Correct Answer: B

Loss %

Q445. SP = 4/5 of CP. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

CP from SP

Q446. After 25% profit, SP is Rs. 500. CP?

- A) Rs. 375
- B) Rs. 380
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

SP from Profit

Q447. Profit 50% on CP Rs. 400. SP?

- A) Rs. 500
- B) Rs. 550
- C) Rs. 600
- D) Rs. 650

Correct Answer: C

Discount

Q448. A book MP Rs. 200. Discount 12.5%. SP?

- A) Rs. 170
- B) Rs. 175
- C) Rs. 180
- D) Rs. 185

Correct Answer: B

Ratio & Proportion

Basic Ratio

Q449. A:B = 3:4. A = 21. B?

- A) 24
- B) 26
- C) 28
- D) 30

Correct Answer: C

Sharing

Q450. Divide Rs. 1000 in 2:3. Smaller share?

- A) Rs. 350
- B) Rs. 380
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

Proportion

Q451. If $7:x = 21:9$, find x.

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Division

Q452. A:B:C = 1:3:5. Total = 180. C gets?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Sharing

Q453. Rs. 480 in ratio 5:7. Difference?

- A) Rs. 60
- B) Rs. 70
- C) Rs. 80
- D) Rs. 90

Correct Answer: C

Basic Ratio

Q454. Ratio 2:7. If smaller = 14, larger?

- A) 42
- B) 45
- C) 49
- D) 56

Correct Answer: C

Proportion

Q455. If $a/b = 3/5$ and $b/c = 5/8$, then $a:c$?

- A) 1:3
- B) 3:8
- C) 5:8
- D) 8:3

Correct Answer: B

Division

Q456. Divide 240 in 3:5:4. Middle part?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Sharing

Q457. Three friends share Rs. 3600 in 2:3:4. Middle friend gets?

- A) Rs. 800
- B) Rs. 1000
- C) Rs. 1200
- D) Rs. 1600

Correct Answer: C

Basic Ratio

Q458. A class has boys:girls = 3:2. Total 50. Girls?

- A) 15
- B) 18
- C) 20
- D) 25

Correct Answer: C

Proportion

Q459. 4th proportional to 3, 5, 12 is?

- A) 15
- B) 18
- C) 20
- D) 24

Correct Answer: C

Division

Q460. Rs. 5400 divided in 4:5. Larger share?

- A) Rs. 2400
- B) Rs. 2700
- C) Rs. 3000
- D) Rs. 3200

Correct Answer: C

Sharing

Q461. Profit Rs. 2400 shared in ratio of investment 3:5. Smaller share?

- A) Rs. 800
- B) Rs. 900
- C) Rs. 1000
- D) Rs. 1100

Correct Answer: B

Basic Ratio

Q462. Ratio of 750 ml to 1.5 litres?

- A) 1:3
- B) 1:2
- C) 2:3
- D) 3:4

Correct Answer: B

Division

Q463. A:B = 3:4, B:C = 2:3. A:B:C = ?

- A) 3:4:6
- B) 6:8:12
- C) 3:4:3
- D) 3:2:4

Correct Answer: A

Time & Work

Two Workers

Q464. A in 12 days, B in 24 days. Together?

- A) 6 days
- B) 7 days
- C) 8 days
- D) 9 days

Correct Answer: C

Men-Days

Q465. 15 men in 8 days. 12 men in?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

Correct Answer: C

Efficiency

Q466. A works 3 times faster than B. Together in 9 days. B alone?

- A) 24 days
- B) 30 days
- C) 36 days
- D) 40 days

Correct Answer: C

Two Workers

Q467. P in 10 days, Q in 30 days. Together?

- A) 6.5 days
- B) 7 days
- C) 7.5 days
- D) 8 days

Correct Answer: C

Basic

Q468. A does a work in 25 days. Work done in 10 days?

- A) $\frac{1}{5}$
- B) $\frac{2}{5}$
- C) $\frac{3}{5}$
- D) $\frac{4}{5}$

Correct Answer: B

Men-Days

Q469. 6 women do work in 15 days. 9 women do it in?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

Correct Answer: C

Two Workers

Q470. A in 7 days, B in 14 days. Together?

- A) 4 days
- B) 4.67 days
- C) 5 days
- D) 5.5 days

Correct Answer: B

Efficiency

Q471. Pipe A fills in 12 hrs, B empties in 24 hrs. Both open, fills in?

- A) 20 hrs
- B) 22 hrs
- C) 24 hrs
- D) 28 hrs

Correct Answer: C

Men-Days

Q472. 18 workers in 10 days. 10 workers in?

- A) 15 days
- B) 16 days
- C) 18 days
- D) 20 days

Correct Answer: C

Two Workers

Q473. A in 4 days, B in 12 days, C in 6 days. Together?

- A) 1.5 days
- B) 2 days
- C) 2.5 days
- D) 3 days

Correct Answer: B

Basic

Q474. If $\frac{2}{3}$ work done in 8 days, remaining work?

- A) 2 days
- B) 3 days
- C) 4 days
- D) 5 days

Correct Answer: C

Efficiency

Q475. X does $\frac{1}{4}$ of work in 5 days. Full work?

- A) 15 days
- B) 18 days
- C) 20 days
- D) 25 days

Correct Answer: C

Men-Days

Q476. 24 men do job in 5 days. To do in 3 days, men needed?

- A) 35
- B) 38
- C) 40
- D) 42

Correct Answer: C

Two Workers

Q477. A in 8 hrs, B in 12 hrs. A works 2 hrs alone, then both. Total time?

- A) 4.2 hrs
- B) 4.8 hrs
- C) 5 hrs
- D) 5.4 hrs

Correct Answer: C

Basic

Q478. A machine produces 100 units in 4 hrs. Units in 10 hrs?

- A) 200
- B) 220
- C) 250
- D) 280

Correct Answer: C

Average

Basic Average

Q479. Average of 25, 35, 45, 55, 65:

- A) 40
- B) 43
- C) 45
- D) 48

Correct Answer: C

Change in Average

Q480. Average of 8 numbers is 30. If 6 is added to each, new average?

- A) 32
- B) 34
- C) 36
- D) 38

Correct Answer: C

Age Problems

Q481. Average age of couple is 30. Baby born. New average?

- A) 18
- B) 20
- C) 22
- D) 25

Correct Answer: B

Basic Average

Q482. Average of first 50 natural numbers?

- A) 24.5
- B) 25
- C) 25.5
- D) 26

Correct Answer: C

Change in Average

Q483. Class of 40, average 60. 10 students of average 80 join. New average?

- A) 62
- B) 64
- C) 66
- D) 68

Correct Answer: B

Basic Average

Q484. Runs in 5 innings: 36, 45, 53, 62, 4. Average?

- A) 38
- B) 39
- C) 40
- D) 42

Correct Answer: C

Age Problems

Q485. 3 brothers average age 15. Eldest is 20. Average of other two?

- A) 10
- B) 12
- C) 12.5
- D) 13

Correct Answer: C

Change in Average

Q486. Average of 5 numbers is 50. One number 45 replaced by 60. New average?

- A) 51
- B) 52
- C) 53
- D) 54

Correct Answer: C

Basic Average

Q487. Average of 11 results is 50. First 6 average 49, last 6 average 52. 6th result?

- A) 50
- B) 51
- C) 56
- D) 60

Correct Answer: C

Change in Average

Q488. If each of 10 numbers is multiplied by 3, average becomes?

- A) Same
- B) Double
- C) Triple
- D) Quadruple

Correct Answer: C

Basic Average

Q489. Sum of 3 numbers is 99. Ratio 1:2:3. Average?

- A) 30
- B) 33
- C) 35
- D) 36

Correct Answer: B

Age Problems

Q490. Average of 4 friends: 22. If 5th friend age 32 joins, new average?

- A) 23
- B) 24
- C) 25
- D) 26

Correct Answer: B

Basic Average

Q491. Average marks of 5 students: 70, 80, 60, 90, 50. Average?

- A) 65
- B) 68
- C) 70
- D) 72

Correct Answer: C

Change in Average

Q492. Average of 15 numbers is 18. 5 numbers removed with average 12. Remaining average?

- A) 20
- B) 21
- C) 22
- D) 24

Correct Answer: B

Basic Average

Q493. Weighted average: 3 items at 10 and 2 items at 20. Average?

- A) 13
- B) 14
- C) 15
- D) 16

Correct Answer: B

Percentage

Basic

Q494. What is 12% of 500?

- A) 50
- B) 55
- C) 60
- D) 65

Correct Answer: C

Increase

Q495. A number 150 increased by 40%. New number?

- A) 190
- B) 200
- C) 210
- D) 220

Correct Answer: C

Decrease

Q496. Price drops from Rs. 250 to Rs. 200. Decrease %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Conversion

Q497. $\frac{5}{6}$ as a percentage (approx)?

- A) 80%
- B) 82%
- C) 83.33%
- D) 85%

Correct Answer: C

Basic**Q498. What percent is 45 of 180?**

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C**Increase****Q499. Salary Rs. 15000, hike 20%. New salary?**

- A) Rs. 16500
- B) Rs. 17000
- C) Rs. 17500
- D) Rs. 18000

Correct Answer: D**Decrease****Q500. After 30% discount, price is Rs. 350. Original?**

- A) Rs. 450
- B) Rs. 480
- C) Rs. 500
- D) Rs. 520

Correct Answer: C**Conversion****Q501. 0.125 as percentage?**

- A) 1.25%
- B) 10.5%
- C) 12.5%
- D) 125%

Correct Answer: C**Basic****Q502. 60% of what number is 90?**

- A) 120
- B) 130
- C) 140
- D) 150

Correct Answer: D**Increase**

Q503. Students increase from 400 to 500. Increase %?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Decrease

Q504. Temperature drops from 40 to 32. Percentage drop?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Basic

Q505. 35% of 600?

- A) 200
- B) 205
- C) 210
- D) 220

Correct Answer: C

Increase

Q506. If a number is first increased by 10% then by 10%, net increase?

- A) 20%
- B) 21%
- C) 22%
- D) 25%

Correct Answer: B

Decrease

Q507. Two successive discounts of 10% and 20% on Rs. 1000. Final price?

- A) Rs. 700
- B) Rs. 720
- C) Rs. 750
- D) Rs. 800

Correct Answer: B

Conversion

Q508. What fraction is 37.5%?

- A) $\frac{1}{3}$
- B) $\frac{3}{8}$
- C) $\frac{2}{5}$
- D) $\frac{5}{12}$

Correct Answer: B

Speed Time Distance

Speed Formula

Q509. A car at 75 km/h covers a distance in 4 hours. Distance?

- A) 280 km
- B) 290 km
- C) 300 km
- D) 320 km

Correct Answer: C

Average Speed

Q510. Goes 50 km at 25 km/h and 50 km at 50 km/h. Average speed?

- A) 30 km/h
- B) 33.3 km/h
- C) 35 km/h
- D) 37.5 km/h

Correct Answer: B

Conversion

Q511. 20 m/s to km/h:

- A) 60 km/h
- B) 68 km/h
- C) 72 km/h
- D) 80 km/h

Correct Answer: C

Speed Formula

Q512. Speed 15 km/h, time 40 min. Distance?

- A) 8 km
- B) 9 km
- C) 10 km
- D) 12 km

Correct Answer: C

Q513. A boat covers 36 km in 4 hours downstream. Speed?

- A) 7 km/h
- B) 8 km/h
- C) 9 km/h
- D) 10 km/h

Correct Answer: C

Average Speed

Q514. Round trip: goes at 40 km/h, returns at 60 km/h. Avg speed?

- A) 46 km/h
- B) 48 km/h
- C) 50 km/h
- D) 52 km/h

Correct Answer: B

Conversion

Q515. 5 km/h = ? m/min (approx)

- A) 75 m/min
- B) 80 m/min
- C) 83.3 m/min
- D) 90 m/min

Correct Answer: C

Speed Formula

Q516. Distance 500 m, time 25 s. Speed?

- A) 18 m/s
- B) 20 m/s
- C) 22 m/s
- D) 25 m/s

Correct Answer: B

Q517. A walks 4 km/h for 45 min. Distance?

- A) 2 km
- B) 2.5 km
- C) 3 km
- D) 3.5 km

Correct Answer: C

Average Speed

Q518. Half time at 20 km/h, half time at 40 km/h. Average speed?

- A) 25 km/h
- B) 28 km/h
- C) 30 km/h
- D) 32 km/h

Correct Answer: C

Speed Formula

Q519. A plane at 600 km/h. 1500 km journey takes?

- A) 2 hrs
- B) 2.5 hrs
- C) 3 hrs
- D) 3.5 hrs

Correct Answer: B

Conversion

Q520. 1 m/s = ? km/h

- A) 2.4
- B) 3.2
- C) 3.6
- D) 4.0

Correct Answer: C

Speed Formula

Q521. A runner covers 1.5 km in 5 min. Speed in km/h?

- A) 15 km/h
- B) 16 km/h
- C) 18 km/h
- D) 20 km/h

Correct Answer: C

Average Speed

Q522. Travels 120 km at 60 km/h, 80 km at 40 km/h. Average speed?

- A) 48 km/h
- B) 50 km/h
- C) 52 km/h
- D) 55 km/h

Correct Answer: B

Speed Formula

Q523. A train at 54 km/h. Speed in m/s?

- A) 12 m/s
- B) 13 m/s
- C) 14 m/s
- D) 15 m/s

Correct Answer: D

Age Problems

Present Age

Q524. A is 4 years older than B. 4 years later A will be twice B. B's age?

- A) 0
- B) 2
- C) 4
- D) 6

Correct Answer: A

Future Age

Q525. A man is 42, son 12. In how many years man = 2 x son?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: C

Past Age

Q526. 8 years ago, A was 3 times B. A is 32 now. B now?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: B

Ratio Problems

Q527. Father:Son = 4:1. After 6 years, 3:1. Son's age?

- A) 6
- B) 8
- C) 10
- D) 12

Correct Answer: A

Present Age

Q528. Sum of ages of 5 children born 3 years apart is 50. Youngest?

- A) 4
- B) 5
- C) 6
- D) 8

Correct Answer: A

Future Age

Q529. After 10 years, A will be 3 times B (B is 5 now). A's present age?

- A) 30
- B) 35
- C) 40
- D) 45

Correct Answer: B

Past Age

Q530. 4 years ago, mother was 6 times daughter. Mother 40 now. Daughter?

- A) 9
- B) 10
- C) 11
- D) 12

Correct Answer: B

Ratio Problems

Q531. Husband:Wife = 5:4. After 3 years 11:9. Husband's age?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: A

Present Age

Q532. Average age of class of 40 is 15. Teacher included, average = 16. Teacher's age?

- A) 50
- B) 52
- C) 55
- D) 56

Correct Answer: D

Future Age

Q533. A is 20, B is 5. When will $A = 3B$?

- A) 3 years
- B) 5 years
- C) 7.5 years
- D) 10 years

Correct Answer: C

Past Age

Q534. 6 years ago, ratio 1:2. Sum now is 45. Ages?

- A) 15, 30
- B) 17, 28
- C) 18, 27
- D) 20, 25

Correct Answer: A

Ratio Problems

Q535. $A:B = 2:3$. Sum = 25. A?

- A) 8
- B) 10
- C) 12
- D) 15

Correct Answer: B

Present Age

Q536. C is twice D's age minus 6. Sum = 30. D's age?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Future Age

Q537. After 5 years, sum of ages of X(20) and Y(25) will be?

- A) 48
- B) 50
- C) 52
- D) 55

Correct Answer: B

Past Age

Q538. 7 years ago average age of family of 5 was 25. Present average?

- A) 30
- B) 32
- C) 34
- D) 35

Correct Answer: B

Word Problems

Purchases

Q539. A pen Rs. 15, a notebook Rs. 25. Buy 4 pens and 3 notebooks. Total?

- A) Rs. 125
- B) Rs. 130
- C) Rs. 135
- D) Rs. 140

Correct Answer: C

Money

Q540. Rohit saves Rs. 200/week. Savings in 6 months (26 weeks)?

- A) Rs. 4800
- B) Rs. 5000
- C) Rs. 5200
- D) Rs. 5400

Correct Answer: C

Distribution

Q541. A 12 m cloth cut into pieces of 1.5 m each. Number of pieces?

- A) 6
- B) 7
- C) 8
- D) 9

Correct Answer: C

Mixtures

Q542. 20 L of 25% sugar solution. Sugar content?

- A) 3 L
- B) 4 L
- C) 5 L
- D) 6 L

Correct Answer: C

Purchases

Q543. A kg of mangoes Rs. 80. How much for 3.5 kg?

- A) Rs. 250
- B) Rs. 260
- C) Rs. 270
- D) Rs. 280

Correct Answer: D

Money

Q544. Income Rs. 50000/month. Expenditure 70%. Savings?

- A) Rs. 12000
- B) Rs. 13000
- C) Rs. 15000
- D) Rs. 17000

Correct Answer: C

Distribution

Q545. 120 balls in boxes of 15 each. Boxes needed?

- A) 6
- B) 7
- C) 8
- D) 9

Correct Answer: C

Mixtures

Q546. Mix 10 L at Rs. 30 and 10 L at Rs. 50. Rate per litre?

- A) Rs. 35
- B) Rs. 38
- C) Rs. 40
- D) Rs. 42

Correct Answer: C

Purchases

Q547. Train ticket Rs. 250. Return Rs. 400. Savings on return?

- A) Rs. 80
- B) Rs. 90
- C) Rs. 100
- D) Rs. 110

Correct Answer: C

Money

Q548. Bill Rs. 840. Split equally among 7 friends. Each pays?

- A) Rs. 110
- B) Rs. 115
- C) Rs. 120
- D) Rs. 125

Correct Answer: C

Distribution

Q549. Pack 480 oranges, 24 per box. Boxes?

- A) 18
- B) 19
- C) 20
- D) 22

Correct Answer: C

Mixtures

Q550. 40 L solution: 60% acid. Pure acid?

- A) 20 L
- B) 22 L
- C) 24 L
- D) 26 L

Correct Answer: C

Purchases

Q551. Taxi: Rs. 30 base + Rs. 12/km. Cost for 10 km?

- A) Rs. 140
- B) Rs. 145
- C) Rs. 150
- D) Rs. 155

Correct Answer: C

Money

Q552. A borrows Rs. 10000 at 5% SI for 2 years. Returns?

- A) Rs. 10500
- B) Rs. 10800
- C) Rs. 11000
- D) Rs. 11200

Correct Answer: C

Distribution

Q553. Pizza cut into 8 slices. 3 friends eat 2 each. Remaining?

- A) 1
- B) 2
- C) 3
- D) 4

Correct Answer: B

Simple Interest

SI Formula

Q554. Find SI on Rs. 2000 at 6% per annum for 2 years.

- A) Rs. 200
- B) Rs. 220
- C) Rs. 240
- D) Rs. 260

Correct Answer: C

Q555. SI on Rs. 5000 at 4% per annum for 3 years is:

- A) Rs. 500
- B) Rs. 600
- C) Rs. 700
- D) Rs. 800

Correct Answer: B

Principal

Q556. What principal gives Rs. 450 as SI at 5% in 3 years?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Rate

Q557. At what rate does Rs. 1200 give Rs. 216 SI in 3 years?

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: C

Time

Q558. In how many years does Rs. 800 become Rs. 1040 at 10% SI?

- A) 2 years
- B) 3 years
- C) 4 years
- D) 5 years

Correct Answer: B

Amount

Q559. Amount on Rs. 6000 at 8% for 2 years (SI) is:

- A) Rs. 6480
- B) Rs. 6800
- C) Rs. 6960
- D) Rs. 7200

Correct Answer: C

SI Formula

Q560. SI on Rs. 10000 at 7.5% for 4 years:

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Principal

Q561. A sum amounts to Rs. 7200 in 4 years at 5% SI. The principal is:

- A) Rs. 5000
- B) Rs. 5500
- C) Rs. 6000
- D) Rs. 6500

Correct Answer: C

Rate

Q562. Rs. 2400 earns Rs. 576 SI in 4 years. Rate?

- A) 4%
- B) 5%
- C) 6%
- D) 8%

Correct Answer: C

Time

Q563. Rs. 3000 becomes Rs. 3900 at 6% SI. Time?

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: C

Amount

Q564. Amount on Rs. 1500 at 10% for 3 years:

- A) Rs. 1800
- B) Rs. 1900
- C) Rs. 1950
- D) Rs. 2000

Correct Answer: C

SI Formula

Q565. SI = Rs. 360. Rate = 6%, Time = 2 years. Principal?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Principal

Q566. A man invests a sum at 8% SI and gets Rs. 640 interest in 4 years. Sum?

- A) Rs. 1500
- B) Rs. 1800
- C) Rs. 2000
- D) Rs. 2200

Correct Answer: C

Rate

Q567. In 5 years, Rs. 4000 earns Rs. 1200 SI. Rate?

- A) 4%
- B) 5%
- C) 6%
- D) 7%

Correct Answer: C

Time

Q568. At 12% SI, Rs. 2500 gives Rs. 900 interest. Time?

- A) 2 years
- B) 3 years
- C) 4 years
- D) 5 years

Correct Answer: B

Amount

Q569. Rs. 7000 at 5% SI for 2 years. Amount?

- A) Rs. 7500
- B) Rs. 7600
- C) Rs. 7700
- D) Rs. 7800

Correct Answer: C

SI Formula

Q570. SI on Rs. 900 at 10% for 1 year?

- A) Rs. 80
- B) Rs. 90
- C) Rs. 100
- D) Rs. 110

Correct Answer: B

Principal

Q571. What sum at 9% gives Rs. 810 SI in 3 years?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Rate

Q572. Rs. 5000 doubles in 10 years at SI. Rate?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Time

Q573. At 8% SI, a sum doubles in how many years?

- A) 10 years
- B) 12 years
- C) 12.5 years
- D) 15 years

Correct Answer: C

Amount

Q574. Rs. 4500 at 4% SI for 5 years. Amount?

- A) Rs. 5200
- B) Rs. 5300
- C) Rs. 5400
- D) Rs. 5500

Correct Answer: C

SI Formula

Q575. Difference between SI at 5% and 3% on Rs. 2000 for 2 years?

- A) Rs. 60
- B) Rs. 70
- C) Rs. 80
- D) Rs. 90

Correct Answer: C

Principal

Q576. If SI is half the principal in 5 years, what is the rate?

- A) 8%
- B) 9%
- C) 10%
- D) 12%

Correct Answer: C

Rate

Q577. Rs. 1600 amounts to Rs. 2000 in 5 years at SI. Rate?

- A) 4%
- B) 5%
- C) 6%
- D) 8%

Correct Answer: B

Time

Q578. SI on Rs. 500 at 5% equals Rs. 100. Time?

- A) 2 years
- B) 3 years
- C) 4 years
- D) 5 years

Correct Answer: C

Amount

Q579. Rs. 3500 at 6% for 4 years at SI. Amount?

- A) Rs. 4200
- B) Rs. 4240
- C) Rs. 4340
- D) Rs. 4400

Correct Answer: C

SI Formula

Q580. SI on Rs. 1200 for 2 years at 5% per annum?

- A) Rs. 100
- B) Rs. 110
- C) Rs. 120
- D) Rs. 130

Correct Answer: C

Principal

Q581. SI is Rs. 750 at 5% for 5 years. Principal?

- A) Rs. 2500
- B) Rs. 3000
- C) Rs. 3500
- D) Rs. 4000

Correct Answer: B

Rate

Q582. A sum triples in 20 years at SI. Rate?

- A) 8%
- B) 10%
- C) 12%
- D) 15%

Correct Answer: B

Time

Q583. Rs. 2000 at 10% SI gives Rs. 800 interest. Time?

- A) 3 years
- B) 4 years
- C) 5 years
- D) 6 years

Correct Answer: B

Profit & Loss

Profit %

Q584. CP = Rs. 250, SP = Rs. 300. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q585. CP = Rs. 400, SP = Rs. 340. Loss %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

SP from Profit

Q586. CP = Rs. 600, Profit = 25%. SP?

- A) Rs. 700
- B) Rs. 725
- C) Rs. 750
- D) Rs. 800

Correct Answer: C

SP from Loss

Q587. CP = Rs. 500, Loss = 12%. SP?

- A) Rs. 420
- B) Rs. 430
- C) Rs. 440
- D) Rs. 450

Correct Answer: C

CP from SP

Q588. SP = Rs. 540, Profit = 20%. CP?

- A) Rs. 400
- B) Rs. 420
- C) Rs. 450
- D) Rs. 480

Correct Answer: C

Discount

Q589. MP = Rs. 800, Discount = 10%. SP?

- A) Rs. 700
- B) Rs. 710
- C) Rs. 720
- D) Rs. 730

Correct Answer: C

Profit %

Q590. A buys for Rs. 150 and sells for Rs. 180. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q591. Bought for Rs. 1000, sold for Rs. 850. Loss %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

SP from Profit

Q592. CP = Rs. 1200, Profit = 15%. SP?

- A) Rs. 1350
- B) Rs. 1370
- C) Rs. 1380
- D) Rs. 1400

Correct Answer: C

Discount

Q593. MP = Rs. 1000, Discount = 20%. SP?

- A) Rs. 750
- B) Rs. 780
- C) Rs. 800
- D) Rs. 850

Correct Answer: C

CP from SP

Q594. SP = Rs. 690, Loss = 8%. CP?

- A) Rs. 720
- B) Rs. 730
- C) Rs. 740
- D) Rs. 750

Correct Answer: D

Profit %

Q595. CP of 5 pens = SP of 4 pens. Profit %?

- A) 20%
- B) 25%
- C) 30%
- D) 35%

Correct Answer: B

Loss %

Q596. A toy bought for Rs. 200 is sold at Rs. 170. Loss %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

Discount

Q597. A shirt with MP Rs. 500 is sold at 15% discount. SP?

- A) Rs. 400
- B) Rs. 410
- C) Rs. 425
- D) Rs. 435

Correct Answer: C

SP from Profit

Q598. CP = Rs. 800. Gain = 10%. SP?

- A) Rs. 860
- B) Rs. 870
- C) Rs. 880
- D) Rs. 900

Correct Answer: C

CP from SP

Q599. SP = Rs. 360, Profit = 20%. CP?

- A) Rs. 280
- B) Rs. 290
- C) Rs. 300
- D) Rs. 310

Correct Answer: C

Profit %

Q600. Bought 12 oranges for Rs. 60, sold at Rs. 6 each. Profit %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q601. CP = Rs. 650, SP = Rs. 520. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 22%

Correct Answer: C

Discount

Q602. MP = Rs. 1500, sold at 30% discount. SP?

- A) Rs. 1000
- B) Rs. 1050
- C) Rs. 1100
- D) Rs. 1150

Correct Answer: B

SP from Loss

Q603. CP = Rs. 900, Loss = 10%. SP?

- A) Rs. 790
- B) Rs. 800
- C) Rs. 810
- D) Rs. 820

Correct Answer: C

Profit %

Q604. A man sells a watch for Rs. 1380 gaining 15%. CP?

- A) Rs. 1100
- B) Rs. 1150
- C) Rs. 1200
- D) Rs. 1250

Correct Answer: C

CP from SP

Q605. An article sold at Rs. 480 gives 20% profit. CP?

- A) Rs. 380
- B) Rs. 390
- C) Rs. 400
- D) Rs. 410

Correct Answer: C

Discount

Q606. List price Rs. 2000. Two successive discounts of 10% and 5%. SP?

- A) Rs. 1700
- B) Rs. 1710
- C) Rs. 1680
- D) Rs. 1710

Correct Answer: B

Profit %

Q607. Buy at Rs. 50 per dozen, sell at Rs. 5 each. Profit %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

Loss %

Q608. A laptop bought for Rs. 40000 sold at Rs. 34000. Loss %?

- A) 10%
- B) 12%
- C) 15%
- D) 18%

Correct Answer: C

SP from Profit

Q609. CP = Rs. 350, Profit = 40%. SP?

- A) Rs. 470
- B) Rs. 480
- C) Rs. 490
- D) Rs. 500

Correct Answer: C

CP from SP

Q610. SP = Rs. 1050, Loss = 12.5%. CP?

- A) Rs. 1100
- B) Rs. 1150
- C) Rs. 1200
- D) Rs. 1250

Correct Answer: C

Discount

Q611. A book's MP is Rs. 200. Sold at 25% discount. SP?

- A) Rs. 140
- B) Rs. 145
- C) Rs. 150
- D) Rs. 160

Correct Answer: C

Profit %

Q612. If $SP = 2 \times CP$, then profit %?

- A) 50%
- B) 75%
- C) 100%
- D) 200%

Correct Answer: C

Loss %

Q613. Goods worth Rs. 500 sold for Rs. 400. Loss %?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Correct Answer: C

SP from Profit

Q614. CP = Rs. 160, Profit = 50%. SP?

- A) Rs. 220
- B) Rs. 230
- C) Rs. 240
- D) Rs. 250

Correct Answer: C

Discount

Q615. MP Rs. 600, discount 5%. SP?

- A) Rs. 550
- B) Rs. 560
- C) Rs. 570
- D) Rs. 580

Correct Answer: C

CP from SP

Q616. SP = Rs. 920, Loss = 8%. CP?

- A) Rs. 980
- B) Rs. 990
- C) Rs. 1000
- D) Rs. 1010

Correct Answer: C

Profit %

Q617. A sells to B at 10% profit, B sells to C at 10% profit. If A's CP is Rs. 100, C pays?

- A) Rs. 110
- B) Rs. 120
- C) Rs. 121
- D) Rs. 125

Correct Answer: C

Loss %

Q618. A car bought for Rs. 200000 depreciates 10% in first year. Value after 1 year?

- A) Rs. 175000
- B) Rs. 178000
- C) Rs. 180000
- D) Rs. 185000

Correct Answer: C

Discount

Q619. MP = Rs. 400. Sold at 12.5% discount. SP?

- A) Rs. 340
- B) Rs. 345
- C) Rs. 350
- D) Rs. 360

Correct Answer: C

Profit %

Q620. A man buys 10 pencils for Rs. 80 and sells all for Rs. 100. Profit %?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

Correct Answer: C

CP from SP

Q621. After giving 20% discount on MP of Rs. 500, profit is 10%. CP?

- A) Rs. 350
- B) Rs. 360.91
- C) Rs. 363.64
- D) Rs. 375

Correct Answer: C

SP from Loss

Q622. CP = Rs. 750. Loss = 20%. SP?

- A) Rs. 580
- B) Rs. 590
- C) Rs. 600
- D) Rs. 620

Correct Answer: C

Profit %

Q623. Profit on selling 10 items equals CP of 2 items. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Ratio & Proportion

Basic Ratio

Q624. Simplify 45:60.

- A) 2:3
- B) 3:4
- C) 4:5
- D) 5:6

Correct Answer: B

Q625. Ratio of 1.5 to 2.5 is:

- A) 2:3
- B) 3:5
- C) 5:7
- D) 1:2

Correct Answer: B

Sharing

Q626. Divide Rs. 630 in ratio 2:3:4. Smallest share?

- A) Rs. 120
- B) Rs. 130
- C) Rs. 140
- D) Rs. 150

Correct Answer: C

Q627. Rs. 480 divided among A, B in ratio 5:3. A gets?

- A) Rs. 280
- B) Rs. 290
- C) Rs. 300
- D) Rs. 310

Correct Answer: C

Division

Q628. Two numbers in ratio 7:5. Their sum is 96. Larger number?

- A) 52
- B) 54
- C) 56
- D) 58

Correct Answer: C

Basic Ratio

Q629. If $A:B = 2:3$ and $B:C = 4:5$, then $A:B:C$?

- A) 8:12:15
- B) 6:9:10
- C) 4:6:8
- D) 2:3:5

Correct Answer: A

Sharing

Q630. Divide 120 sweets among 3 boys in ratio 1:2:3. Middle boy gets?

- A) 20
- B) 30
- C) 40
- D) 50

Correct Answer: C

Division

Q631. $A:B = 3:4$. If A is 15, B is?

- A) 16
- B) 18
- C) 20
- D) 22

Correct Answer: C

Basic Ratio

Q632. Equivalent ratio of 5:8 with first term 25 is:

- A) 25:35
- B) 25:38
- C) 25:40
- D) 25:45

Correct Answer: C

Sharing

Q633. Rs. 1000 divided in 1:1 between two people. Each gets?

- A) Rs. 400
- B) Rs. 450
- C) Rs. 500
- D) Rs. 550

Correct Answer: C

Division

Q634. Ratio of boys to girls in class is 3:2. 30 students total. Boys?

- A) 12
- B) 16
- C) 18
- D) 20

Correct Answer: C

Basic Ratio

Q635. If $4:x = 8:10$, then x ?

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Sharing

Q636. Divide Rs. 240 among P, Q, R in ratio 3:5:4. Q gets?

- A) Rs. 80
- B) Rs. 90
- C) Rs. 100
- D) Rs. 110

Correct Answer: C

Division

Q637. Sum of two numbers is 60. Ratio is 2:3. Smaller number?

- A) 20
- B) 22
- C) 24
- D) 26

Correct Answer: C

Basic Ratio

Q638. Third proportion to 4 and 12?

- A) 24
- B) 30
- C) 36
- D) 48

Correct Answer: C

Sharing

Q639. Rs. 700 divided in ratio 3:4. Larger share?

- A) Rs. 350
- B) Rs. 380
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

Division

Q640. A sum is divided in ratio 5:7. If smaller part is Rs. 250, total sum?

- A) Rs. 500
- B) Rs. 550
- C) Rs. 600
- D) Rs. 650

Correct Answer: C

Basic Ratio

Q641. Mean proportion between 9 and 25?

- A) 12
- B) 13
- C) 15
- D) 17

Correct Answer: C

Sharing

Q642. If $A:B:C = 1:2:3$ and total = 180, C gets?

- A) 30
- B) 60
- C) 80
- D) 90

Correct Answer: D

Division

Q643. Ratio 2:3. Difference is 8. Larger number?

- A) 20
- B) 22
- C) 24
- D) 26

Correct Answer: C

Basic Ratio

Q644. Ratio of Rs. 1.50 to Rs. 3.00?

- A) 1:3
- B) 1:2
- C) 2:3
- D) 3:4

Correct Answer: B

Sharing

Q645. 3 partners invest in ratio 2:3:5. Profit Rs. 5000. Third partner's share?

- A) Rs. 2000
- B) Rs. 2200
- C) Rs. 2500
- D) Rs. 3000

Correct Answer: C

Division

Q646. In a mixture, milk:water = 5:1. Total 24 litres. Milk?

- A) 18
- B) 19
- C) 20
- D) 22

Correct Answer: C

Basic Ratio

Q647. A:B = 4:5, B:C = 2:3. A:C?

- A) 8:15
- B) 4:7
- C) 6:11
- D) 7:12

Correct Answer: A

Sharing

Q648. Rs. 3600 divided among A, B, C so that A:B=2:3 and B:C=3:4. A gets?

- A) Rs. 600
- B) Rs. 700
- C) Rs. 800
- D) Rs. 900

Correct Answer: C

Division

Q649. Two numbers in ratio 4:7 differ by 12. Smaller number?

- A) 12
- B) 14
- C) 16
- D) 18

Correct Answer: C

Basic Ratio

Q650. If $x:10 = 6:15$, then x?

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: B

Sharing

Q651. Divide 200 marbles in ratio 3:2. Larger group?

- A) 100
- B) 110
- C) 120
- D) 130

Correct Answer: C

Division

Q652. Salaries of A and B in ratio 3:5. B gets Rs. 2500. A gets?

- A) Rs. 1200
- B) Rs. 1400
- C) Rs. 1500
- D) Rs. 1600

Correct Answer: C

Basic Ratio

Q653. What must be added to each term of 3:5 to make it 1:1?

- A) Any same number
- B) Only 0
- C) Only 2
- D) Impossible

Correct Answer: A

Sharing

Q654. Rs. 900 split in ratio 4:5. Difference between shares?

- A) Rs. 80
- B) Rs. 90
- C) Rs. 100
- D) Rs. 110

Correct Answer: C

Division

Q655. Present ages of A and B in ratio 5:6. Sum of ages is 44. B's age?

- A) 20
- B) 22
- C) 24
- D) 26

Correct Answer: C

Basic Ratio

Q656. Duplicate ratio of 3:4?

- A) 6:8
- B) 9:12
- C) 9:16
- D) 3:4

Correct Answer: C

Sharing

Q657. 3 friends share taxi in distance ratio 1:2:3. Total fare Rs. 300. Person riding longest pays?

- A) Rs. 100
- B) Rs. 120
- C) Rs. 140
- D) Rs. 150

Correct Answer: D

Division

Q658. If $8:x :: x:2$, value of x ?

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: B

Basic Ratio

Q659. Sub-duplicate ratio of 16:25?

- A) 2:3
- B) 4:5
- C) 3:4
- D) 8:10

Correct Answer: B

Sharing

Q660. Rs. 1200 divided among A, B such that A gets Rs. 200 more than B. A:B ratio?

- A) 5:7
- B) 7:5
- C) 6:5
- D) 5:6

Correct Answer: B

Division

Q661. Milk and water mixed in ratio 7:3. In 50 litres of mixture, water?

- A) 12
- B) 13
- C) 15
- D) 17

Correct Answer: C

Basic Ratio

Q662. Inverse ratio of 3:7?

- A) 7:3
- B) 1:3
- C) 3:1
- D) 1:7

Correct Answer: A

Sharing

Q663. Father divides Rs. 2000 among sons in ratio 2:3. Elder son gets?

- A) Rs. 1000
- B) Rs. 1100
- C) Rs. 1200
- D) Rs. 1300

Correct Answer: C

Time & Work

Men-Days

Q664. 10 men complete work in 6 days. 15 men complete in?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Efficiency

Q665. A does work in 12 days, B in 6 days. Together?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Men-Days

Q666. 20 workers finish in 10 days. How many workers for 5 days?

- A) 30
- B) 35
- C) 40
- D) 45

Correct Answer: C

Efficiency

Q667. A does $\frac{1}{5}$ of work in a day, B does $\frac{1}{10}$. Together in one day?

- A) $\frac{1}{3}$
- B) $\frac{3}{10}$
- C) $\frac{1}{4}$
- D) $\frac{2}{5}$

Correct Answer: B

Men-Days

Q668. 5 women complete work in 8 days. 4 women complete in?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

Correct Answer: C

Efficiency

Q669. A finishes in 20 days, B in 30 days. Together?

- A) 10 days
- B) 12 days
- C) 15 days
- D) 18 days

Correct Answer: B

Men-Days

Q670. A job takes 12 men x 5 days = 60 man-days. 6 men need?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 15 days

Correct Answer: B

Efficiency

Q671. Pipe A fills tank in 10 hrs, B in 15 hrs. Together?

- A) 4 hrs
- B) 5 hrs
- C) 6 hrs
- D) 8 hrs

Correct Answer: C

Men-Days

Q672. 30 men build wall in 6 days. 18 men build in?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 14 days

Correct Answer: B

Efficiency

Q673. A in 15 days, B in 10 days. B works 6 days, then A finishes rest. A works?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 8 days

Correct Answer: C

Men-Days

Q674. 8 men paint a house in 9 days. 12 men paint in?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 7 days

Correct Answer: C

Efficiency

Q675. A alone 10 days, B alone 20 days. They work together for 4 days. Remaining work?

- A) 1/5
- B) 2/5
- C) 3/5
- D) 4/5

Correct Answer: A

Men-Days

Q676. 4 machines produce 100 items in 5 days. 8 machines produce 100 items in?

- A) 2 days
- B) 2.5 days
- C) 3 days
- D) 4 days

Correct Answer: B

Efficiency

Q677. A is twice as efficient as B. B alone takes 12 days. A alone?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 8 days

Correct Answer: C

Men-Days

Q678. 15 men finish in 20 days. After 10 days, 5 men leave. Remaining work done in?

- A) 12 days
- B) 15 days
- C) 18 days
- D) 20 days

Correct Answer: B

Efficiency

Q679. Tap A fills in 8 hrs, Tap B empties in 12 hrs. Both open, tank fills in?

- A) 20 hrs
- B) 22 hrs
- C) 24 hrs
- D) 28 hrs

Correct Answer: C

Men-Days

Q680. 3 men and 4 women finish in 6 days. 1 man = 2 women. Only women finish in?

- A) 10 days
- B) 12 days
- C) 15 days
- D) 18 days

Correct Answer: A

Efficiency

Q681. X works 3 times as fast as Y. Y alone takes 24 days. Together?

- A) 4 days
- B) 6 days
- C) 8 days
- D) 10 days

Correct Answer: B

Men-Days

Q682. 12 men dig a trench in 8 days. 16 men dig in?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 7 days

Correct Answer: C

Efficiency

Q683. A does a job in 18 days, B in 9 days. A works alone for 6 days. B finishes rest in?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 7 days

Correct Answer: C

Men-Days

Q684. 2 people clean office in 3 hours. 3 people clean in?

- A) 1.5 hrs
- B) 2 hrs
- C) 2.5 hrs
- D) 3 hrs

Correct Answer: B

Efficiency

Q685. A and B together 6 days. A alone 10 days. B alone?

- A) 12 days
- B) 14 days
- C) 15 days
- D) 18 days

Correct Answer: C

Men-Days

Q686. To do work in half the time with same effort, workers needed are:

- A) Same
- B) Half
- C) Double
- D) Triple

Correct Answer: C

Efficiency

Q687. A, B, C can do work in 10, 12, 15 days. Together?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Men-Days

Q688. 9 children finish painting in 12 days. 6 children finish in?

- A) 14 days
- B) 16 days
- C) 18 days
- D) 20 days

Correct Answer: C

Efficiency

Q689. A pipe fills in 6 hrs, another in 12 hrs. Both open + a drain empties in 24 hrs. Fill time?

- A) 4 hrs
- B) 5 hrs
- C) 6 hrs
- D) 8 hrs

Correct Answer: B

Men-Days

Q690. A garrison has food for 40 days for 1000 men. After 10 days, 200 leave. Food lasts?

- A) 35 days
- B) 36 days
- C) 37.5 days
- D) 40 days

Correct Answer: C

Efficiency

Q691. A in 8 days, B in 12 days, C in 24 days. All together?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Men-Days

Q692. 6 typists type 48 pages in 2 hours. 4 typists type 48 pages in?

- A) 2 hrs
- B) 2.5 hrs
- C) 3 hrs
- D) 4 hrs

Correct Answer: C

Efficiency

Q693. A does half the work in 4 days. Full work alone?

- A) 6 days
- B) 7 days
- C) 8 days
- D) 10 days

Correct Answer: C

Men-Days

Q694. If 1 man = 2 boys, and 8 men finish in 10 days, then 16 boys finish in?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 14 days

Correct Answer: B

Efficiency

Q695. Two taps together fill in 12 minutes. One alone fills in 20 min. Other alone?

- A) 25 min
- B) 28 min
- C) 30 min
- D) 35 min

Correct Answer: C

Men-Days

Q696. 50 workers produce 500 units in 10 days. 25 workers produce 500 units in?

- A) 15 days
- B) 18 days
- C) 20 days
- D) 25 days

Correct Answer: C

Efficiency

Q697. A alone 16 days, B alone 12 days. Work together 3 days, then A alone finishes rest in?

- A) 6 days
- B) 7 days
- C) 8 days
- D) 9 days

Correct Answer: C

Men-Days

Q698. 8 men finish wall in 15 days working 6 hrs/day. 10 men working 8 hrs/day finish in?

- A) 7 days
- B) 8 days
- C) 9 days
- D) 10 days

Correct Answer: C

Efficiency

Q699. A is thrice as fast as B. A finishes 6 days earlier than B. B takes?

- A) 6 days
- B) 8 days
- C) 9 days
- D) 10 days

Correct Answer: C

Men-Days

Q700. 18 men can reap a field in 25 days. For 15 days, how many men needed?

- A) 25
- B) 27
- C) 30
- D) 32

Correct Answer: C

Efficiency

Q701. P and Q together 10 days. P alone 15 days. Q alone?

- A) 25 days
- B) 28 days
- C) 30 days
- D) 35 days

Correct Answer: C

Men-Days

Q702. A piece of work requires 64 man-hours. 8 men working 4 hours/day finish in?

- A) 2 days
- B) 3 days
- C) 4 days
- D) 5 days

Correct Answer: A

Efficiency

Q703. A works at double B's rate. Together they finish in 6 days. A alone?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

Correct Answer: B

Average

Average Value

Q704. Average of 10, 20, 30, 40, 50?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Q705. Average of first 10 natural numbers?

- A) 5
- B) 5.5
- C) 6
- D) 6.5

Correct Answer: B

Age Problems

Q706. Average age of 5 people is 30. One more joins, average becomes 28. New person's age?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: C

Change in Average

Q707. Average of 6 numbers is 20. If one number 26 is removed, new average?

- A) 18
- B) 18.4
- C) 18.8
- D) 19

Correct Answer: C

Average Value

Q708. Average of 15, 25, 35?

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

Age Problems

Q709. Average age of a family of 4 is 25. A baby is born. New average age?

- A) 18
- B) 19
- C) 20
- D) 22

Correct Answer: C

Change in Average

Q710. Average of 10 students is 50. One scoring 70 leaves, replaced by one scoring 40. New average?

- A) 46
- B) 47
- C) 48
- D) 49

Correct Answer: B

Average Value

Q711. Sum of 8 numbers is 200. Average?

- A) 20
- B) 22
- C) 24
- D) 25

Correct Answer: D

Age Problems

Q712. Average age of class of 40 is 14. Teacher (age 50) included. New average?

- A) 14.5
- B) 14.6
- C) 14.78
- D) 14.88

Correct Answer: D

Change in Average

Q713. Average marks of 20 students is 45. 5 more score average 60. New average?

- A) 47
- B) 48
- C) 49
- D) 50

Correct Answer: B

Average Value

Q714. Average of 2, 4, 6, 8, 10, 12, 14?

- A) 7
- B) 8
- C) 9
- D) 10

Correct Answer: B

Age Problems

Q715. 3 years ago, average age of family of 5 was 17. Now a baby is born. Present average?

- A) 13
- B) 14
- C) 15
- D) 16

Correct Answer: A

Change in Average

Q716. Average of 5 numbers is 8. If each number is doubled, new average?

- A) 8
- B) 12
- C) 16
- D) 20

Correct Answer: C

Average Value

Q717. Average of 100, 200, 300, 400?

- A) 200
- B) 225
- C) 250
- D) 275

Correct Answer: C

Age Problems

Q718. Average age of 8 persons is 30. Two persons aged 55 and 45 leave. Average of remaining?

- A) 23.33
- B) 25
- C) 24
- D) 22

Correct Answer: A

Change in Average

Q719. Average of 7 numbers is 12. If 5 is added to each, new average?

- A) 12
- B) 14
- C) 15
- D) 17

Correct Answer: D

Average Value

Q720. Average of 3, 7, 11, 15, 19?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: B

Age Problems

Q721. Average age of 30 boys is 10. Average of 20 girls is 12. Combined average?

- A) 10.6
- B) 10.8
- C) 11
- D) 11.2

Correct Answer: B

Change in Average

Q722. Average weight of 9 persons is 60 kg. A new person of 78 kg joins. New average?

- A) 60.8
- B) 61
- C) 61.5
- D) 61.8

Correct Answer: D

Average Value

Q723. Average of first 5 multiples of 6?

- A) 15
- B) 16
- C) 18
- D) 20

Correct Answer: C

Age Problems

Q724. Husband + wife average age = 25. After 5 years their child born is now 1. Family average now?

- A) 17
- B) 18
- C) 19
- D) 20

Correct Answer: A

Change in Average

Q725. Average of 4 numbers is 25. One number removed, average becomes 20. Removed number?

- A) 35
- B) 38
- C) 40
- D) 42

Correct Answer: C

Average Value

Q726. Average of all even numbers from 2 to 20?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: B

Change in Average

Q727. Average marks of 25 students is 60. A student scoring 80 is added. New average?

- A) 60.5
- B) 60.77
- C) 61
- D) 61.5

Correct Answer: B

Age Problems

Q728. Average age of 3 brothers is 15. Youngest is 10. Average of older two?

- A) 16
- B) 17
- C) 17.5
- D) 18

Correct Answer: C

Average Value

Q729. Average of 5 consecutive odd numbers starting from 3?

- A) 5
- B) 7
- C) 8
- D) 9

Correct Answer: B

Change in Average

Q730. Mean of 10 items is 15. If 2 items averaging 20 are removed, new mean of 8?

- A) 13.25
- B) 13.5
- C) 13.75
- D) 14

Correct Answer: C

Average Value

Q731. Average of first 10 even numbers (2,4,...,20)?

- A) 10
- B) 11
- C) 12
- D) 14

Correct Answer: B

Age Problems

Q732. Average age of A, B, C is 20. D joins, average drops to 18. D's age?

- A) 12
- B) 14
- C) 16
- D) 10

Correct Answer: A

Change in Average

Q733. If average of 6 numbers is 30 and one number is 0, average of other 5?

- A) 32
- B) 34
- C) 36
- D) 38

Correct Answer: C

Average Value

Q734. Average of 1, 2, 3, ..., 100?

- A) 49
- B) 50
- C) 50.5
- D) 51

Correct Answer: C

Age Problems

Q735. Average age of P, Q is 20. Average of Q, R is 25. If Q = 22, average of P, R?

- A) 22
- B) 23
- C) 24
- D) 25

Correct Answer: B

Change in Average

Q736. Average of 12 numbers is 35. Two numbers 25 and 30 are replaced by 40 and 45. New average?

- A) 36.5
- B) 37
- C) 37.5
- D) 38

Correct Answer: C

Average Value

Q737. Average of first 20 natural numbers?

- A) 9
- B) 9.5
- C) 10
- D) 10.5

Correct Answer: D

Age Problems

Q738. Average weight of A, B is 40. Average of B, C is 43. Average of A, C is 45. B's weight?

- A) 36
- B) 38
- C) 40
- D) 42

Correct Answer: B

Change in Average

Q739. Average of 8 innings is 45. How much must a batsman score in 9th to raise average to 50?

- A) 85
- B) 86
- C) 88
- D) 90

Correct Answer: D

Average Value

Q740. Average of square of first 3 natural numbers (1,4,9)?

- A) 4
- B) 4.67
- C) 5
- D) 5.5

Correct Answer: B

Age Problems

Present Age

Q741. A is 5 years older than B. Sum of ages is 35. B's age?

- A) 12
- B) 13
- C) 15
- D) 17

Correct Answer: C

Future Age

Q742. Ravi is 25. In how many years will he be 40?

- A) 10
- B) 12
- C) 15
- D) 18

Correct Answer: C

Past Age

Q743. 10 years ago Meera was 15. Her present age?

- A) 22
- B) 23
- C) 25
- D) 30

Correct Answer: C

Ratio

Q744. A:B ages = 3:5. A is 18. B?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Present Age

Q745. Father is 4 times son's age. Sum is 50. Father's age?

- A) 30
- B) 35
- C) 40
- D) 45

Correct Answer: C

Future Age

Q746. Present ages of A, B are 20, 30. After how many years ratio becomes 3:4?

- A) 15
- B) 20
- C) 25
- D) 30

Correct Answer: B

Past Age

Q747. 5 years ago, father was 7 times son's age. Now father is 35. Son's present age?

- A) 8
- B) 9
- C) 10
- D) 12

Correct Answer: C

Ratio

Q748. Ages in ratio 2:3. After 6 years, ratio 8:11. Present ages?

- A) 12,18
- B) 14,21
- C) 16,24
- D) 18,27

Correct Answer: C

Present Age

Q749. A's age after 10 years is 35. Present age?

- A) 20
- B) 22
- C) 25
- D) 28

Correct Answer: C

Future Age

Q750. Mom is 35, daughter is 10. In how many years will mom be twice daughter?

- A) 10
- B) 12
- C) 15
- D) 18

Correct Answer: C

Past Age

Q751. 3 years ago, A was twice B's age. A is 21 now. B's present age?

- A) 10
- B) 11
- C) 12
- D) 13

Correct Answer: C

Ratio

Q752. Father:Son = 7:2. Father is 42. Son?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Present Age

Q753. Sum of ages of 2 brothers is 36. One is double the other. Younger is?

- A) 10
- B) 11
- C) 12
- D) 14

Correct Answer: C

Future Age

Q754. John is 30 now. After how many years will he be 3 times his son who is 5?

- A) 3
- B) 4
- C) 5
- D) 7.5

Correct Answer: D

Past Age

Q755. 8 years ago, P's age was half of Q's current age. P = 20. Q?

- A) 20
- B) 22
- C) 24
- D) 26

Correct Answer: C

Ratio

Q756. Ages in ratio 5:3. Difference = 10. Elder's age?

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

Present Age

Q757. A is twice as old as B was 5 years ago. B = 15. A?

- A) 15
- B) 18
- C) 20
- D) 25

Correct Answer: C

Future Age

Q758. Ages of A, B are 10, 16. When will their ages be in ratio 3:4?

- A) 4 yrs
- B) 5 yrs
- C) 6 yrs
- D) 8 yrs

Correct Answer: D

Past Age

Q759. Present ages A=25, B=20. How many years ago was A twice B?

- A) 5
- B) 8
- C) 10
- D) 15

Correct Answer: C

Ratio

Q760. A:B = 4:3. Sum = 49. A?

- A) 24
- B) 26
- C) 28
- D) 30

Correct Answer: C

Present Age

Q761. Mother is 26 years older than daughter. In 10 years, mother will be twice as old. Daughter's present age?

- A) 14
- B) 15
- C) 16
- D) 18

Correct Answer: C

Future Age

Q762. A girl is 12 now. In how many years will she be 20?

- A) 6
- B) 7
- C) 8
- D) 9

Correct Answer: C

Past Age

Q763. A man's age was 32 six years ago. His present age?

- A) 34
- B) 36
- C) 38
- D) 40

Correct Answer: C

Ratio

Q764. Ages of X and Y in ratio 5:7. Y is 35. X?

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

Present Age

Q765. Average age of A, B, C is 27. A is 10 years older than C. B is as old as C. C?

- A) 22
- B) 24
- C) 25
- D) 26

Correct Answer: A

Future Age

Q766. Raju is 40, Sita is 10. In ? years will Raju be thrice Sita?

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Past Age

Q767. 10 years hence, A will be twice his present age. Present age?

- A) 8
- B) 9
- C) 10
- D) 12

Correct Answer: C

Ratio

Q768. 2 years ago, ratio of A to B was 5:3. Present sum is 54. A's present age?

- A) 32
- B) 33
- C) 34
- D) 35

Correct Answer: C

Present Age

Q769. A father is 30 years older than son. In 5 years, father is 3 times son. Son's age?

- A) 8
- B) 9
- C) 10
- D) 12

Correct Answer: C

Future Age

Q770. P's present age is 50. After how many years will P's age be 5 times what it was 30 years ago?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Percentage

Basic

Q771. What is 15% of 200?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Q772. Express $\frac{3}{4}$ as a percentage.

- A) 60%
- B) 65%
- C) 70%
- D) 75%

Correct Answer: D

Increase

Q773. A number increases from 40 to 50. Percentage increase?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

Correct Answer: C

Decrease

Q774. Price drops from 500 to 400. Percentage decrease?

- A) 10%
- B) 15%
- C) 18%
- D) 20%

Correct Answer: D

Basic

Q775. 20% of 150?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Increase

Q776. Population goes from 10000 to 12000. Growth %?

- A) 10%
- B) 15%
- C) 18%
- D) 20%

Correct Answer: D

Decrease

Q777. A salary of Rs. 30000 is reduced by 10%. New salary?

- A) Rs. 25000
- B) Rs. 26000
- C) Rs. 27000
- D) Rs. 28000

Correct Answer: C

Basic

Q778. What % is 45 of 180?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Increase

Q779. An item costs Rs. 800. Price increases by 12.5%. New price?

- A) Rs. 850
- B) Rs. 880
- C) Rs. 900
- D) Rs. 920

Correct Answer: C

Decrease

Q780. Marks drop from 80 to 60. Percentage drop?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Basic

Q781. 150 is what % of 600?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Increase

Q782. 60 increased by 50%?

- A) 80
- B) 85
- C) 90
- D) 95

Correct Answer: C

Decrease

Q783. 80 decreased by 25%?

- A) 55
- B) 58
- C) 60
- D) 65

Correct Answer: C

Basic

Q784. 12.5% of 240?

- A) 25
- B) 28
- C) 30
- D) 32

Correct Answer: C

Increase

Q785. A number increased by 100% becomes?

- A) Same
- B) 1.5 times
- C) Double
- D) Triple

Correct Answer: C

Decrease

Q786. A value drops by 50% then increases by 50%. Net change?

- A) No change
- B) -25%
- C) +25%
- D) -10%

Correct Answer: B

Basic

Q787. 30% of 500?

- A) 120
- B) 140
- C) 150
- D) 160

Correct Answer: C

Increase

Q788. If income goes from Rs. 4000 to Rs. 5000, % increase?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

Correct Answer: C

Decrease

Q789. 60% of students pass. Out of 200, failures?

- A) 70
- B) 75
- C) 80
- D) 90

Correct Answer: C

Basic

Q790. Two-thirds as a percentage?

- A) 60%
- B) 62.5%
- C) 66.67%
- D) 70%

Correct Answer: C

Increase

Q791. Rs. 250 increased by 20%?

- A) Rs. 280
- B) Rs. 290
- C) Rs. 300
- D) Rs. 310

Correct Answer: C

Decrease

Q792. 300 decreased by 33.33%?

- A) 180
- B) 190
- C) 200
- D) 210

Correct Answer: C

Basic

Q793. 5% of 1000?

- A) 40
- B) 45
- C) 50
- D) 55

Correct Answer: C

Increase

Q794. Price was Rs. 400, now Rs. 500. % increase?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

Correct Answer: C

Decrease

Q795. A class of 50, 10% absent. Students present?

- A) 40
- B) 42
- C) 45
- D) 48

Correct Answer: C

Basic

Q796. What is 40% of 75?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Increase

Q797. Weight goes from 60 kg to 72 kg. % increase?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Decrease

Q798. Temperature drops from 40 degrees to 30 degrees. % drop?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Basic

Q799. A student scores 72 out of 90. Percentage?

- A) 75%
- B) 78%
- C) 80%
- D) 82%

Correct Answer: C

Increase

Q800. A number is first increased by 10%, then by 10%. Net increase on 100?

- A) 20
- B) 21
- C) 22
- D) 25

Correct Answer: B

Speed Time Distance

Speed Formula

Q801. A car covers 180 km in 3 hours. Speed?

- A) 50 km/hr
- B) 55 km/hr
- C) 60 km/hr
- D) 65 km/hr

Correct Answer: C

Q802. A train at 90 km/hr covers how much in 40 minutes?

- A) 50 km
- B) 55 km
- C) 60 km
- D) 65 km

Correct Answer: C

Average Speed

Q803. A person goes at 40 km/hr and returns at 60 km/hr. Average speed?

- A) 45 km/hr
- B) 48 km/hr
- C) 50 km/hr
- D) 52 km/hr

Correct Answer: B

Speed Formula

Q804. Distance = 300 km, Time = 5 hrs. Speed?

- A) 50 km/hr
- B) 55 km/hr
- C) 60 km/hr
- D) 65 km/hr

Correct Answer: C

Q805. Speed = 72 km/hr. In m/s?

- A) 15 m/s
- B) 18 m/s
- C) 20 m/s
- D) 25 m/s

Correct Answer: C

Average Speed

Q806. A man walks 2 km at 4 km/hr and 2 km at 6 km/hr. Average speed?

- A) 4.5 km/hr
- B) 4.8 km/hr
- C) 5 km/hr
- D) 5.2 km/hr

Correct Answer: B

Speed Formula

Q807. A bus takes 5 hours for 250 km. Speed?

- A) 45 km/hr
- B) 48 km/hr
- C) 50 km/hr
- D) 55 km/hr

Correct Answer: C

Q808. At 80 km/hr, time for 320 km?

- A) 3 hrs
- B) 3.5 hrs
- C) 4 hrs
- D) 4.5 hrs

Correct Answer: C

Average Speed

Q809. Half distance at 30 km/hr, other half at 70 km/hr. Average speed?

- A) 40 km/hr
- B) 42 km/hr
- C) 45 km/hr
- D) 50 km/hr

Correct Answer: B

Speed Formula

Q810. A cyclist at 15 km/hr covers how much in 2.5 hours?

- A) 35 km
- B) 37.5 km
- C) 40 km
- D) 42.5 km

Correct Answer: B

Q811. 108 km/hr in m/s?

- A) 25 m/s
- B) 28 m/s
- C) 30 m/s
- D) 32 m/s

Correct Answer: C

Average Speed

Q812. A travels 100 km at 25 km/hr and 100 km at 50 km/hr. Average speed for whole journey?

- A) 30 km/hr
- B) 33.33 km/hr
- C) 35 km/hr
- D) 37.5 km/hr

Correct Answer: B

Speed Formula

Q813. A person walks at 5 km/hr for 3 hrs. Distance?

- A) 12 km
- B) 13 km
- C) 15 km
- D) 18 km

Correct Answer: C

Q814. 36 km/hr in m/s?

- A) 8 m/s
- B) 10 m/s
- C) 12 m/s
- D) 15 m/s

Correct Answer: B

Average Speed

Q815. Going at 60 km/hr takes 4 hrs. At what speed to cover same in 3 hrs?

- A) 70 km/hr
- B) 75 km/hr
- C) 80 km/hr
- D) 85 km/hr

Correct Answer: C

Speed Formula

Q816. Train 100 m long passes pole in 5 seconds. Speed in km/hr?

- A) 60 km/hr
- B) 68 km/hr
- C) 72 km/hr
- D) 80 km/hr

Correct Answer: C

Q817. A man runs 200 m in 25 sec. Speed in km/hr?

- A) 24 km/hr
- B) 26 km/hr
- C) 28 km/hr
- D) 28.8 km/hr

Correct Answer: D

Average Speed

Q818. One-third distance at 20, next at 30, last at 60 km/hr. Average speed?

- A) 25 km/hr
- B) 30 km/hr
- C) 32 km/hr
- D) 35 km/hr

Correct Answer: B

Speed Formula

Q819. A plane flies 2400 km in 4 hrs. Speed?

- A) 500 km/hr
- B) 550 km/hr
- C) 600 km/hr
- D) 650 km/hr

Correct Answer: C

Q820. Time to cover 450 km at 75 km/hr?

- A) 5 hrs
- B) 5.5 hrs
- C) 6 hrs
- D) 6.5 hrs

Correct Answer: C

Average Speed

Q821. A car goes 120 km at 40 km/hr and returns at 60 km/hr. Average speed?

- A) 45 km/hr
- B) 48 km/hr
- C) 50 km/hr
- D) 52 km/hr

Correct Answer: B

Speed Formula

Q822. Walking at 6 km/hr, a man reaches in 40 min. Distance?

- A) 3 km
- B) 3.5 km
- C) 4 km
- D) 4.5 km

Correct Answer: C

Q823. A boat goes 24 km in 3 hours. Speed?

- A) 6 km/hr
- B) 7 km/hr
- C) 8 km/hr
- D) 9 km/hr

Correct Answer: C

Average Speed

Q824. Total 400 km in 8 hours. Average speed?

- A) 45 km/hr
- B) 48 km/hr
- C) 50 km/hr
- D) 55 km/hr

Correct Answer: C

Speed Formula

Q825. A person covers 1.5 km in 15 minutes. Speed in km/hr?

- A) 4 km/hr
- B) 5 km/hr
- C) 6 km/hr
- D) 7 km/hr

Correct Answer: C

Q826. At 54 km/hr, a train covers 270 km in?

- A) 4 hrs
- B) 4.5 hrs
- C) 5 hrs
- D) 5.5 hrs

Correct Answer: C

Average Speed

Q827. A person walks for 2 hrs at 3 km/hr, runs 1 hr at 12 km/hr. Average speed?

- A) 5 km/hr
- B) 6 km/hr
- C) 7 km/hr
- D) 8 km/hr

Correct Answer: B

Speed Formula

Q828. If distance is tripled and time halved, speed becomes?

- A) 3 times
- B) 4 times
- C) 5 times
- D) 6 times

Correct Answer: D

Q829. A jogger at 8 km/hr for 45 min covers?

- A) 4 km
- B) 5 km
- C) 6 km
- D) 7 km

Correct Answer: C

Average Speed

Q830. 2/5th of journey at 40 km/hr, rest at 60 km/hr. Average speed?

- A) 48 km/hr
- B) 50 km/hr
- C) 52 km/hr
- D) 55 km/hr

Correct Answer: B

Two-Speed Problems

Relative Speed

Q831. Two trains 100 km apart approach each other at 60 and 40 km/hr. Meet in?

- A) 30 min
- B) 45 min
- C) 1 hr
- D) 1.5 hrs

Correct Answer: C

Q832. A and B walk in same direction at 5 and 3 km/hr. A is 6 km behind. Catches up in?

- A) 2 hrs
- B) 3 hrs
- C) 4 hrs
- D) 5 hrs

Correct Answer: B

Q833. Two cars move towards each other at 50 and 70 km/hr. 240 km apart. Meet in?

- A) 1 hr
- B) 1.5 hrs
- C) 2 hrs
- D) 2.5 hrs

Correct Answer: C

Q834. A train 150 m long passes a man walking at 3 km/hr (opposite direction) in 6 sec. Train speed?

- A) 80 km/hr
- B) 85 km/hr
- C) 87 km/hr
- D) 90 km/hr

Correct Answer: C

Q835. Ratio of speeds of two trains is 3:4. Faster takes 36 min. Slower takes?

- A) 40 min
- B) 45 min
- C) 48 min
- D) 50 min

Correct Answer: C

Q836. A overtakes B in 20 sec. Speeds 10 m/s and 8 m/s. A's length?

- A) 30 m
- B) 35 m
- C) 40 m
- D) 45 m

Correct Answer: C

Q837. Two boats go upstream and downstream. Current 2 km/hr, still water 10 km/hr. Time for 48 km round trip?

- A) 9 hrs
- B) 9.5 hrs
- C) 10 hrs
- D) 10.5 hrs

Correct Answer: C

Q838. If you walk at 4 km/hr you miss bus by 10 min. At 5 km/hr you reach 5 min early. Distance?

- A) 3 km
- B) 4 km
- C) 5 km
- D) 6 km

Correct Answer: C

Q839. Two friends start from same place in opposite directions at 4 and 6 km/hr. Distance after 3 hrs?

- A) 20 km
- B) 25 km
- C) 30 km
- D) 35 km

Correct Answer: C

Q840. A man rows 12 km upstream in 4 hrs and downstream in 2 hrs. Still water speed?

- A) 3.5 km/hr
- B) 4 km/hr
- C) 4.5 km/hr
- D) 5 km/hr

Correct Answer: C

Q841. Train A (150 m) at 40 km/hr and Train B (100 m) at 32 km/hr (same direction). A passes B in?

- A) 90 sec
- B) 100 sec
- C) 112.5 sec
- D) 120 sec

Correct Answer: C

Q842. A car leaves at 8 AM at 40 km/hr. Another at 10 AM at 60 km/hr. When does 2nd catch 1st?

- A) 12 PM
- B) 1 PM
- C) 2 PM
- D) 3 PM

Correct Answer: C

Q843. Boats upstream 6 km in 2 hrs, downstream 6 km in 1 hr. Current speed?

- A) 1 km/hr
- B) 1.5 km/hr
- C) 2 km/hr
- D) 2.5 km/hr

Correct Answer: B

Q844. Speed of boat in still water 8 km/hr. Current 2 km/hr. Time to go 30 km upstream?

- A) 4 hrs
- B) 4.5 hrs
- C) 5 hrs
- D) 5.5 hrs

Correct Answer: C

Q845. Two cyclists start from same point, opposite directions, 12 and 8 km/hr. Distance apart after 2 hrs?

- A) 30 km
- B) 35 km
- C) 40 km
- D) 45 km

Correct Answer: C

Q846. A walks 3 km/hr, B walks 4 km/hr (same direction from same point). After 5 hrs how far apart?

- A) 3 km
- B) 4 km
- C) 5 km
- D) 6 km

Correct Answer: C

Q847. Train passes 200 m platform in 20 sec at 54 km/hr. Train length?

- A) 80 m
- B) 90 m
- C) 100 m
- D) 110 m

Correct Answer: C

Q848. Downstream 36 km in 6 hrs. Upstream 36 km in 9 hrs. Speed in still water?

- A) 3 km/hr
- B) 3.5 km/hr
- C) 4 km/hr
- D) 4.5 km/hr

Correct Answer: B

Q849. A is 20% faster than B. B covers 100 km in 5 hrs. A covers 100 km in?

- A) 3.5 hrs
- B) 4 hrs
- C) $25/6$ hrs
- D) 4.5 hrs

Correct Answer: C

Q850. Two trains 200 m and 300 m long, same direction, 70 and 50 km/hr. Cross each other in?

- A) 80 sec
- B) 85 sec
- C) 90 sec
- D) 100 sec

Correct Answer: C

Wheel Problems

Revolutions

Q851. Wheel circumference 1.5 m. Revolutions for 900 m?

- A) 500
- B) 550
- C) 600
- D) 650

Correct Answer: C

Q852. Wheel radius 7 cm. Circumference? ($\pi = 22/7$)

- A) 40 cm
- B) 42 cm
- C) 44 cm
- D) 46 cm

Correct Answer: C

Q853. A wheel makes 200 revolutions to cover 400 m. Circumference?

- A) 1.5 m
- B) 1.8 m
- C) 2 m
- D) 2.2 m

Correct Answer: C

Q854. Circumference 3 m. Distance in 1000 revolutions?

- A) 2500 m
- B) 2800 m
- C) 3000 m
- D) 3500 m

Correct Answer: C

Q855. A wheel diameter 1.4 m ($\pi=22/7$). Circumference?

- A) 3.8 m
- B) 4 m
- C) 4.2 m
- D) 4.4 m

Correct Answer: D

Q856. Wheel makes 500 rpm. Circumference 2 m. Distance per minute?

- A) 800 m
- B) 900 m
- C) 1000 m
- D) 1100 m

Correct Answer: C

Q857. Diameter 70 cm ($\pi=22/7$). Distance in 100 revolutions?

- A) 200 m
- B) 210 m
- C) 220 m
- D) 230 m

Correct Answer: C

Q858. A car wheel has radius 35 cm. Revolutions for 2.2 km? ($\pi=22/7$)

- A) 800
- B) 900
- C) 1000
- D) 1100

Correct Answer: C

Q859. A gear with 20 teeth meshes with one of 40 teeth. If small gear turns 100 times, big gear turns?

- A) 40
- B) 50
- C) 60
- D) 70

Correct Answer: B

Q860. Wheel circumference 88 cm ($\pi=22/7$). Radius?

- A) 12 cm
- B) 13 cm
- C) 14 cm
- D) 15 cm

Correct Answer: C

Q861. A cycle wheel has diameter 2 m. Revolutions for 1 km?

- A) About 159
- B) About 200
- C) About 250
- D) About 318

Correct Answer: A

Q862. Wheel of radius 1 m. To cover 628 m ($\pi=3.14$)?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Q863. A wheel makes 10 turns per second. Circumference 3 m. Speed in m/s?

- A) 25 m/s
- B) 28 m/s
- C) 30 m/s
- D) 35 m/s

Correct Answer: C

Q864. A wheel diameter 50 cm. Circumference? ($\pi=3.14$)

- A) 150 cm
- B) 155 cm
- C) 157 cm
- D) 160 cm

Correct Answer: C

Q865. Wheel revolves 300 times/min. Circumference 4 m. Speed in km/hr?

- A) 68 km/hr
- B) 70 km/hr
- C) 72 km/hr
- D) 75 km/hr

Correct Answer: C

Q866. A roller 1 m long, diameter 70 cm ($\pi=22/7$). Area covered in 50 revolutions?

- A) 100 sq m
- B) 105 sq m
- C) 110 sq m
- D) 115 sq m

Correct Answer: C

Q867. Two wheels: radii 14 cm and 21 cm. Ratio of their circumferences?

- A) 1:2
- B) 2:3
- C) 3:4
- D) 3:5

Correct Answer: B

Q868. A wheel 0.5 m radius covers 3140 m ($\pi=3.14$). Revolutions?

- A) 800
- B) 900
- C) 1000
- D) 1100

Correct Answer: C

Q869. If wheel diameter doubles, revolutions for same distance become?

- A) Same
- B) Double
- C) Half
- D) Quarter

Correct Answer: C

Q870. Circumference 2.2 m. How many full revolutions for 11 m?

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Basic Arithmetic

HCF & LCM

Q871. HCF of 12 and 18?

- A) 4
- B) 5
- C) 6
- D) 8

Correct Answer: C

Q872. LCM of 4, 6, 8?

- A) 12
- B) 18
- C) 24
- D) 48

Correct Answer: C

Fractions

Q873. $\frac{1}{3} + \frac{1}{6} = ?$

- A) $\frac{1}{3}$
- B) $\frac{1}{2}$
- C) $\frac{2}{3}$
- D) $\frac{5}{6}$

Correct Answer: B

Q874. $\frac{3}{5}$ of 200?

- A) 100
- B) 110
- C) 120
- D) 130

Correct Answer: C

Simplification

Q875. $25 \times 4 + 50 / 2 = ?$

- A) 110
- B) 115
- C) 120
- D) 125

Correct Answer: D

Q876. $144 / 12 + 13 = ?$

- A) 23
- B) 24
- C) 25
- D) 26

Correct Answer: C

HCF & LCM

Q877. LCM of 15 and 20?

- A) 40
- B) 50
- C) 60
- D) 80

Correct Answer: C

Fractions

Q878. $2/3 - 1/4 = ?$

- A) $5/12$
- B) $7/12$
- C) $8/12$
- D) $11/12$

Correct Answer: A

Simplification

Q879. Square root of 625?

- A) 20
- B) 22
- C) 25
- D) 30

Correct Answer: C

HCF & LCM

Q880. HCF of 36 and 48?

- A) 4
- B) 6
- C) 8
- D) 12

Correct Answer: D

Fractions

Q881. $\frac{5}{8} \times 24 = ?$

- A) 10
- B) 12
- C) 15
- D) 18

Correct Answer: C

Simplification

Q882. Cube of 5?

- A) 100
- B) 120
- C) 125
- D) 150

Correct Answer: C

HCF & LCM

Q883. LCM of 3, 5, 7?

- A) 35
- B) 70
- C) 105
- D) 210

Correct Answer: C

Fractions

Q884. $\frac{7}{10}$ as a decimal?

- A) 0.07
- B) 0.17
- C) 0.7
- D) 7.0

Correct Answer: C

Simplification

Q885. 15 squared?

- A) 200
- B) 215
- C) 225
- D) 230

Correct Answer: C

HCF & LCM

Q886. Product of HCF and LCM of 6 and 8?

- A) 24
- B) 36
- C) 48
- D) 96

Correct Answer: C

Fractions

Q887. $\frac{1}{2} + \frac{1}{3} + \frac{1}{6} = ?$

- A) $\frac{2}{3}$
- B) $\frac{5}{6}$
- C) 1
- D) $\frac{7}{6}$

Correct Answer: C

Simplification

Q888. What is 10% of 10% of 1000?

- A) 1
- B) 5
- C) 10
- D) 100

Correct Answer: C

HCF & LCM

Q889. LCM of 12, 15, 20?

- A) 40
- B) 50
- C) 60
- D) 120

Correct Answer: C

Fractions

Q890. Reciprocal of $\frac{5}{7}$?

- A) $\frac{5}{7}$
- B) $\frac{7}{5}$
- C) $\frac{1}{5}$
- D) $\frac{1}{7}$

Correct Answer: B

Simplification

Q891. Sum of first 10 natural numbers?

- A) 45
- B) 50
- C) 55
- D) 60

Correct Answer: C

HCF & LCM

Q892. Two numbers: HCF=6, LCM=60. One is 12. Other?

- A) 20
- B) 25
- C) 30
- D) 35

Correct Answer: C

Fractions

Q893. $\frac{4}{5} - \frac{3}{10} = ?$

- A) $\frac{1}{2}$
- B) $\frac{3}{5}$
- C) $\frac{7}{10}$
- D) $\frac{4}{10}$

Correct Answer: A

Simplification

Q894. $18 \times 5 - 40 = ?$

- A) 45
- B) 48
- C) 50
- D) 55

Correct Answer: C

HCF & LCM

Q895. HCF of 24, 36, 48?

- A) 4
- B) 6
- C) 8
- D) 12

Correct Answer: D

Fractions

Q896. 2 and $\frac{1}{2}$ + 3 and $\frac{1}{3}$ = ?

- A) 5 and $\frac{1}{6}$
- B) 5 and $\frac{5}{6}$
- C) 6 and $\frac{1}{6}$
- D) 6 and $\frac{5}{6}$

Correct Answer: B

Simplification

Q897. $1000 - 37 \times 25$ = ?

- A) 50
- B) 65
- C) 75
- D) 100

Correct Answer: C

HCF & LCM

Q898. LCM of 9 and 12?

- A) 24
- B) 30
- C) 36
- D) 48

Correct Answer: C

Fractions

Q899. Which is bigger: $\frac{3}{4}$ or $\frac{5}{8}$?

- A) $\frac{3}{4}$
- B) $\frac{5}{8}$
- C) Equal
- D) Cannot tell

Correct Answer: A

Simplification

Q900. Sum of cubes of 1, 2, 3?

- A) 30
- B) 32
- C) 36
- D) 38

Correct Answer: C

Word Problems

Number Problems

Q901. Sum of two numbers is 50. Difference is 10. Larger number?

- A) 25
- B) 28
- C) 30
- D) 32

Correct Answer: C

Q902. Product of two numbers is 120. One is 10. Other?

- A) 10
- B) 11
- C) 12
- D) 14

Correct Answer: C

Q903. Twice a number plus 10 = 50. Number?

- A) 15
- B) 18
- C) 20
- D) 25

Correct Answer: C

Money Problems

Q904. A has Rs. 100 more than B. Together they have Rs. 500. A has?

- A) Rs. 250
- B) Rs. 280
- C) Rs. 300
- D) Rs. 320

Correct Answer: C

Q905. Price of 5 pens and 3 pencils is Rs. 70. Price of 1 pen is Rs. 10. Pencil price?

- A) Rs. 5
- B) Rs. 6.67
- C) Rs. 7
- D) Rs. 8

Correct Answer: B

Number Problems

Q906. Three consecutive numbers sum to 54. Middle number?

- A) 16
- B) 17
- C) 18
- D) 19

Correct Answer: C

Money Problems

Q907. A man spends 80% of income Rs. 25000. Savings?

- A) Rs. 4000
- B) Rs. 4500
- C) Rs. 5000
- D) Rs. 5500

Correct Answer: C

Number Problems

Q908. If a number is multiplied by 6 and 12 is subtracted, result is 30. Number?

- A) 5
- B) 6
- C) 7
- D) 8

Correct Answer: C

Money Problems

Q909. Cost of 3 kg rice at Rs. 40/kg and 2 kg sugar at Rs. 45/kg?

- A) Rs. 200
- B) Rs. 205
- C) Rs. 210
- D) Rs. 220

Correct Answer: C

Number Problems

Q910. Sum of 3 numbers is 90. Ratio 1:2:3. Smallest?

- A) 10
- B) 12
- C) 15
- D) 18

Correct Answer: C

Money Problems

Q911. A earns Rs. 500/day. In 22 working days, earnings?

- A) Rs. 10000
- B) Rs. 10500
- C) Rs. 11000
- D) Rs. 11500

Correct Answer: C

Number Problems

Q912. One-fifth of a number is 9. The number?

- A) 36
- B) 40
- C) 45
- D) 50

Correct Answer: C

Money Problems

Q913. 12 items cost Rs. 600. Cost of 8 items?

- A) Rs. 350
- B) Rs. 380
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

Number Problems

Q914. A number divided by 5 gives quotient 7 and remainder 3. The number?

- A) 35
- B) 36
- C) 37
- D) 38

Correct Answer: D

Money Problems

Q915. Simple interest on Rs. 1000 for 2 years is Rs. 100. Rate?

- A) 3%
- B) 4%
- C) 5%
- D) 6%

Correct Answer: C

Number Problems

Q916. Half of a number is 45. What is one-third of it?

- A) 25
- B) 28
- C) 30
- D) 35

Correct Answer: C

Money Problems

Q917. A man has coins: 5 of Rs.10, 3 of Rs.5, 10 of Rs.1. Total?

- A) Rs. 70
- B) Rs. 73
- C) Rs. 75
- D) Rs. 80

Correct Answer: C

Number Problems

Q918. Product of two consecutive even numbers is 168. Smaller?

- A) 10
- B) 12
- C) 14
- D) 16

Correct Answer: B

Money Problems

Q919. Total bill Rs. 1050 shared equally by 7 friends. Each pays?

- A) Rs. 140
- B) Rs. 145
- C) Rs. 150
- D) Rs. 155

Correct Answer: C

Number Problems

Q920. Find three-quarters of 200.

- A) 125
- B) 140
- C) 150
- D) 160

Correct Answer: C

Money Problems

Q921. Rent is 30% of salary Rs. 20000. Rent amount?

- A) Rs. 5000
- B) Rs. 5500
- C) Rs. 6000
- D) Rs. 6500

Correct Answer: C

Number Problems

Q922. LCM of 6, 8, 12?

- A) 12
- B) 18
- C) 24
- D) 48

Correct Answer: C

Money Problems

Q923. A man saves Rs. 300/month. Annual savings?

- A) Rs. 3000
- B) Rs. 3300
- C) Rs. 3600
- D) Rs. 4000

Correct Answer: C

Number Problems

Q924. If $5x + 3 = 28$, then $x = ?$

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Money Problems

Q925. Cost of 1 dozen bananas is Rs. 60. Cost of 5 bananas?

- A) Rs. 20
- B) Rs. 22
- C) Rs. 25
- D) Rs. 30

Correct Answer: C

Number Problems

Q926. Average of 4 numbers is 20. Sum?

- A) 60
- B) 70
- C) 80
- D) 90

Correct Answer: C

Money Problems

Q927. Profit of 20% on CP Rs. 500?

- A) Rs. 80
- B) Rs. 90
- C) Rs. 100
- D) Rs. 110

Correct Answer: C

Number Problems

Q928. A number exceeds its two-fifths by 24. Number?

- A) 30
- B) 35
- C) 40
- D) 45

Correct Answer: C

Money Problems

Q929. Ticket costs Rs. 150. For 8 people?

- A) Rs. 1000
- B) Rs. 1100
- C) Rs. 1200
- D) Rs. 1300

Correct Answer: C

Number Problems

Q930. Ratio of two numbers is 3:4. Sum is 35. Larger?

- A) 15
- B) 18
- C) 20
- D) 25

Correct Answer: C

Simple Interest

SI Formula

Q931. SI on Rs. 3000 at 8% for 5 years?

- A) Rs. 1000
- B) Rs. 1100
- C) Rs. 1200
- D) Rs. 1300

Correct Answer: C

Amount

Q932. Rs. 2000 at 7% SI for 3 years. Amount?

- A) Rs. 2320
- B) Rs. 2380
- C) Rs. 2420
- D) Rs. 2500

Correct Answer: C

Principal

Q933. SI Rs. 480 at 8% for 3 yrs. Principal?

- A) Rs. 1500
- B) Rs. 1800
- C) Rs. 2000
- D) Rs. 2200

Correct Answer: C

Rate

Q934. Rs. 6000 gives Rs. 1440 SI in 4 years. Rate?

- A) 5%
- B) 6%
- C) 7%
- D) 8%

Correct Answer: B

Time

Q935. Rs. 1500 at 8% gives Rs. 480 SI. Time?

- A) 3 yrs
- B) 4 yrs
- C) 5 yrs
- D) 6 yrs

Correct Answer: B

Profit & Loss

Profit %

Q936. CP = Rs. 1250, SP = Rs. 1500. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Discount

Q937. MP = Rs. 900, Discount 10%. SP?

- A) Rs. 790
- B) Rs. 800
- C) Rs. 810
- D) Rs. 820

Correct Answer: C

CP from SP

Q938. SP = Rs. 780, Profit = 30%. CP?

- A) Rs. 550
- B) Rs. 575
- C) Rs. 600
- D) Rs. 625

Correct Answer: C

Loss %

Q939. CP = Rs. 360, SP = Rs. 288. Loss %?

- A) 15%
- B) 18%
- C) 20%
- D) 22%

Correct Answer: C

SP from Profit

Q940. CP = Rs. 450, Profit = 20%. SP?

- A) Rs. 520
- B) Rs. 530
- C) Rs. 540
- D) Rs. 550

Correct Answer: C

Ratio & Proportion

Sharing

Q941. Rs. 5000 among A, B, C in 2:3:5. B gets?

- A) Rs. 1200
- B) Rs. 1400
- C) Rs. 1500
- D) Rs. 1600

Correct Answer: C

Division

Q942. Two numbers in ratio 5:8. Sum is 78. Larger?

- A) 42
- B) 45
- C) 48
- D) 50

Correct Answer: C

Basic Ratio

Q943. If $3:x = 9:15$, $x = ?$

- A) 3
- B) 4
- C) 5
- D) 6

Correct Answer: C

Sharing

Q944. Divide 270 in ratio 4:5. Larger part?

- A) 120
- B) 130
- C) 140
- D) 150

Correct Answer: D

Division

Q945. Ages ratio A:B = 3:4. B is 24. A?

- A) 14
- B) 16
- C) 18
- D) 20

Correct Answer: C

Time & Work

Efficiency

Q946. A in 14 days, B in 21 days. Together?

- A) 7 days
- B) 8 days
- C) 8.4 days
- D) 9 days

Correct Answer: C

Men-Days

Q947. 24 men complete in 16 days. 32 men in?

- A) 10 days
- B) 11 days
- C) 12 days
- D) 13 days

Correct Answer: C

Efficiency

Q948. A twice efficient as B. Together 8 days. A alone?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

Correct Answer: B

Average

Average Value

Q949. Average of 12, 16, 20, 24, 28?

- A) 18
- B) 19
- C) 20
- D) 21

Correct Answer: C

Change in Average

Q950. Average of 15 numbers is 30. If each increased by 4, new average?

- A) 30
- B) 32
- C) 34
- D) 36

Correct Answer: C

Age Problems

Q951. Average age of couple when married was 25. After 4 years they have a child. Family average now?

- A) 18
- B) 19.33
- C) 20
- D) 21

Correct Answer: C

Age Problems

Present Age

Q952. Father 3 times son. Sum = 60. Son?

- A) 12
- B) 13
- C) 15
- D) 18

Correct Answer: C

Future Age

Q953. A is 30, B is 20. In how many years will A be 1.5 times B?

- A) 5
- B) 8
- C) 10
- D) 12

Correct Answer: C

Past Age

Q954. 6 years ago A was twice B. A = 30 now. B now?

- A) 16
- B) 17
- C) 18
- D) 19

Correct Answer: C

Ratio

Q955. Present ages 5:7. Sum = 48. Elder?

- A) 18
- B) 20
- C) 24
- D) 28

Correct Answer: D

Percentage**Basic**

Q956. 35% of 400?

- A) 120
- B) 130
- C) 140
- D) 150

Correct Answer: C

Increase

Q957. A salary of Rs. 40000 hiked by 15%. New salary?

- A) Rs. 44000
- B) Rs. 45000
- C) Rs. 46000
- D) Rs. 47000

Correct Answer: C

Decrease

Q958. A score of 80 reduced by 37.5%. New score?

- A) 45
- B) 48
- C) 50
- D) 55

Correct Answer: C

Speed Time Distance**Speed Formula**

Q959. Cover 350 km in 7 hrs. Speed?

- A) 45 km/hr
- B) 48 km/hr
- C) 50 km/hr
- D) 55 km/hr

Correct Answer: C

Average Speed

Q960. Goes 50 km at 25 km/hr, returns at 50 km/hr. Average speed?

- A) 30 km/hr
- B) 33.33 km/hr
- C) 35 km/hr
- D) 37.5 km/hr

Correct Answer: B

Speed Formula

Q961. At 72 km/hr for 2.5 hrs. Distance?

- A) 160 km
- B) 170 km
- C) 180 km
- D) 190 km

Correct Answer: C

Two-Speed Problems

Relative Speed

Q962. Boats: still water 7 km/hr, stream 1 km/hr. Time for 24 km upstream?

- A) 3 hrs
- B) 3.5 hrs
- C) 4 hrs
- D) 4.5 hrs

Correct Answer: C

Q963. Two trains towards each other at 80 and 70 km/hr. 300 km apart. Meet in?

- A) 1.5 hrs
- B) 1.8 hrs
- C) 2 hrs
- D) 2.5 hrs

Correct Answer: C

Wheel Problems

Revolutions

Q964. Wheel circumference 2.5 m. Revolutions for 250 m?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Q965. Diameter 28 cm ($\pi=22/7$). Circumference?

- A) 80 cm
- B) 84 cm
- C) 88 cm
- D) 92 cm

Correct Answer: C

Basic Arithmetic

HCF & LCM

Q966. LCM of 8, 12, 16?

- A) 24
- B) 36
- C) 48
- D) 96

Correct Answer: C

Fractions

Q967. $\frac{3}{7} + \frac{2}{7} = ?$

- A) $\frac{3}{7}$
- B) $\frac{4}{7}$
- C) $\frac{5}{7}$
- D) $\frac{6}{7}$

Correct Answer: C

Simplification

Q968. Square root of 196?

- A) 12
- B) 13
- C) 14
- D) 15

Correct Answer: C

Word Problems

Number Problems

Q969. A number added to its half gives 36. The number?

- A) 18
- B) 20
- C) 22
- D) 24

Correct Answer: D

Money Problems

Q970. A man earns Rs. 1200/day and works 25 days. Earnings?

- A) Rs. 28000
- B) Rs. 29000
- C) Rs. 30000
- D) Rs. 31000

Correct Answer: C

Simple Interest

Amount

Q971. Rs. 5000 at 10% SI for 2 years. Amount?

- A) Rs. 5500
- B) Rs. 5800
- C) Rs. 6000
- D) Rs. 6200

Correct Answer: C

Profit & Loss

Profit %

Q972. Bought 10 kg sugar at Rs. 40/kg. Sold at Rs. 48/kg. Profit %?

- A) 15%
- B) 18%
- C) 20%
- D) 25%

Correct Answer: C

Average

Average Value

Q973. Average of 50, 60, 70, 80, 90?

- A) 65
- B) 68
- C) 70
- D) 72

Correct Answer: C

Age Problems

Present Age

Q974. Twins are 12 each. Father is 40. M other is 36. Family average?

- A) 22
- B) 23
- C) 25
- D) 26

Correct Answer: C

Percentage

Basic

Q975. 8 out of 32 students failed. Failure %?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Speed Time Distance

Speed Formula

Q976. A bus at 45 km/hr for 4 hours. Distance?

- A) 160 km
- B) 170 km
- C) 180 km
- D) 190 km

Correct Answer: C

Time & Work

Efficiency

Q977. A finishes $\frac{2}{3}$ of work in 8 days. Full work?

- A) 10 days
- B) 11 days
- C) 12 days
- D) 14 days

Correct Answer: C

Ratio & Proportion

Sharing

Q978. Rs. 840 split in ratio 5:7. Smaller share?

- A) Rs. 320
- B) Rs. 340
- C) Rs. 350
- D) Rs. 380

Correct Answer: C

Basic Arithmetic

Simplification

Q979. $999 + 1 = ?$

- A) 1000
- B) 1001
- C) 999
- D) 1010

Correct Answer: A

Word Problems

Number Problems

Q980. Sum of two numbers is 100. Ratio 2:3. Smaller?

- A) 35
- B) 38
- C) 40
- D) 45

Correct Answer: C

Simple Interest

SI Formula

Q981. SI on Rs. 8000 at 5% for 1 year?

- A) Rs. 300
- B) Rs. 350
- C) Rs. 400
- D) Rs. 450

Correct Answer: C

Profit & Loss

Loss %

Q982. Article sold at $\frac{3}{4}$ of CP. Loss %?

- A) 20%
- B) 22%
- C) 25%
- D) 30%

Correct Answer: C

Average

Change in Average

Q983. Average of 5 numbers is 40. One wrong entry 60 replaced by 30. New average?

- A) 32
- B) 34
- C) 36
- D) 38

Correct Answer: B

Percentage

Increase

Q984. A village population grows 10% per year from 1000. After 1 year?

- A) 1050
- B) 1080
- C) 1100
- D) 1200

Correct Answer: C

Age Problems

Future Age

Q985. I am 22 now. In how many years will my age be a perfect square?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Speed Time Distance

Average Speed

Q986. A runs 100 m in 10 sec. Speed in km/hr?

- A) 30 km/hr
- B) 32 km/hr
- C) 36 km/hr
- D) 40 km/hr

Correct Answer: C

Two-Speed Problems

Relative Speed

Q987. A 150 m train at 60 km/hr passes a 100 m platform. Time?

- A) 12 sec
- B) 13 sec
- C) 15 sec
- D) 18 sec

Correct Answer: C

Wheel Problems

Revolutions

Q988. A wheel radius 21 cm ($\pi=22/7$). Revolutions for 1.32 km?

- A) 800
- B) 900
- C) 1000
- D) 1100

Correct Answer: C

Time & Work

Men-Days

Q989. If 7 men can finish in 12 days, 21 men finish in?

- A) 3 days
- B) 4 days
- C) 5 days
- D) 6 days

Correct Answer: B

Basic Arithmetic

Fractions

Q990. What is $\frac{2}{5}$ of 250?

- A) 80
- B) 90
- C) 100
- D) 110

Correct Answer: C

Ratio & Proportion

Basic Ratio

Q991. Ratio 12:18 in simplest form?

- A) 1:2
- B) 2:3
- C) 3:4
- D) 4:6

Correct Answer: B

Word Problems

Money Problems

Q992. A jacket's MRP Rs. 2000, discount 25%. Selling price?

- A) Rs. 1400
- B) Rs. 1450
- C) Rs. 1500
- D) Rs. 1550

Correct Answer: C

Profit & Loss

Discount

Q993. MP Rs. 1200. After 15% discount, SP?

- A) Rs. 1000
- B) Rs. 1010
- C) Rs. 1020
- D) Rs. 1030

Correct Answer: C

Simple Interest

Time

Q994. At 10%, Rs. 4000 amounts to Rs. 6000. Time?

- A) 3 yrs
- B) 4 yrs
- C) 5 yrs
- D) 6 yrs

Correct Answer: C

Average

Age Problems

Q995. Average of 4 students: 15, 16, 17, 18 is?

- A) 15.5
- B) 16
- C) 16.5
- D) 17

Correct Answer: C

Speed Time Distance

Speed Formula

Q996. A cyclist covers 12 km in 48 minutes. Speed?

- A) 12 km/hr
- B) 13 km/hr
- C) 15 km/hr
- D) 18 km/hr

Correct Answer: C

Percentage

Decrease

Q997. Rs. 500 reduced by 20%?

- A) Rs. 380
- B) Rs. 390
- C) Rs. 400
- D) Rs. 420

Correct Answer: C

Basic Arithmetic

Simplification

Q998. Cube root of 27?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: B

Word Problems

Number Problems

Q999. A number is 5 more than twice another. Sum is 35. Larger number?

- A) 20
- B) 22
- C) 25
- D) 28

Correct Answer: C

Simple Interest

Amount

Q1000. Rs. 10000 at 6% SI for 5 years. Amount?

- A) Rs. 12500
- B) Rs. 12800
- C) Rs. 13000
- D) Rs. 13500

Correct Answer: C