



(Papers) RRB Group D : Exam Paper & Answer Key Set-1
(Mathematics)

76. If a sum of money at simple interest doubles in 12 years, the rate of interest per annum is

- (a) $16\frac{1}{3}\%$ (b) 7.5%
(c) $8\frac{1}{3}\%$ (d) 10%

77. 0.6 of a number is equal to 0.08 of another number. The ratio of the numbers will be

- (a) 3 : 4
(b) 4 : 3
(c) 2 : 15
(d) 2 : 9

78. $\frac{1}{5}$ of a number exceeds $\frac{1}{7}$ of the same number by 10. The number is :

- (a) 125
(b) 150
(c) 175
(d) 200

79. A boy was asked to find the value of $\frac{3}{8}$ of a sum of money. Instead of multiplying the sum by $\frac{3}{8}$ he divided it by $\frac{3}{8}$ and then his answer exceeded by Rs. 55. Find the correct answer?

- (a) Rs. 9

- (b) Rs. 24
- (c) Rs. 64
- (d) Rs. 1,320

80. The sum of three consecutive odd natural numbers each divisible by 3 is 72. What is the largest among them?

- (a) 21
- (b) 24
- (c) 27
- (d) 36

81. If *381 is divisible by 11, then the digit at the place of *is

- (a) 0
- (b) 1
- (c) 4
- (d) 7

82. By which smallest number should 5808 be multiplied so that it becomes a perfect square?

- (a) 2
- (b) 7
- (c) 11
- (d) 3

83. The least number which when divided by 4, 6, 8, 12 and 16 leaves a remainder of 2 in each case is

- (a) 46
- (b) 48
- (c) 50
- (d) 56

84. Sum of two numbers is 40 and their product is 375. What will be the sum of their reciprocals?

- (a) $8/75$
- (b) $1/40$
- (c) $75/8$
- (d) $75/4$

85. The product of the LCM and HCF of two numbers is 24. The difference of the two numbers is

2. Find the numbers ?

- (a) 8 and 6
- (b) 8 and 10
- (c) 2 and 4
- (d) 6 and 4

86. In a class $\frac{3}{5}$ of the students are girls and rest are boys. If $\frac{2}{9}$ of the girls and $\frac{1}{4}$ of the boys are absent. What part of the total number of students are present?

- (a) $\frac{23}{30}$
- (b) $\frac{23}{36}$
- (c) $\frac{18}{49}$
- (d) $\frac{17}{25}$

87. Two numbers differ by 5. If their product is 336, the sum of the two numbers is

- (a) 21
- (b) 28
- (c) 37
- (d) 51

88. The maximum number of students among whom 1001 pens and 910 pencils can be distributed in such a way that each student gets same number of pens and same number of pencils, is:

- (a) 91
- (b) 910
- (c) 1001
- (d) 1911

89. Unit digit in $(264)^{102} + (264)^{103}$ is:

- (a) 0
- (b) 4
- (c) 6
- (d) 8

90. Which one of the following is the least? $3^3 \cdot 3$, 2^2 and 4

- (a) 2

(b) 3 4

(c) 3

(d) 3 2

91. A person who spends $66\frac{2}{3}\%$ of his income is able to save Rs. 1,200 per month. His monthly expenses (in Rs) is:

(a) 1,200

(b) 2,400

(c) 3,000

(d) 3,200

92. If 80% of A = 50% of B and B = x% of A, then the value of x is:

(a) 400 (b) 300

(c) 160 (d) 150

93. If x is 80% of y, what percent of x is y?

(a) 75% (b) 80%

(c) 100% (d) 125%

94. In a town, the population was 8000. In one year, male population increased by 10% and female population increased by 8% but the total population increased by 9%. The number of males in the town was

(a) 4000 (b) 4500

(c) 5000 (d) 6000

95. In an examination, there were 1000 boys and 800 girls. 60% of the boys and 50% of the girls passed. Find the percent of the candidates failed?

(a) 46.4

(b) 48.4

(c) 44.4

(d) 49.6

96. If A exceeds B by 40%, B is less than C by 20%, then A C is,:

(a) 28 : 25

(b) 26 : 25

(c) 3 : 2

(d) 3 : 1

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97. Price of sugar rises by 20%. By how much percent should the consumption of sugar be reduced so that the expenditure does not change?

- (a) 20 (b) 10 (c) $16\frac{2}{3}$ (d) 15

98. In a school 70% of the students are girls. The number of boys are 510. Then the total number of students in the school is

- (a) 850
(b) 1700
(c) 1830
(d) 1900

99. Applied to a bill for Rs. 1,00,000 the difference between a discount of 40% and two successive discounts of 36% and 4% is

- (a) Nil
(b) Rs. 1,440
(c) Rs. 2,500
(d) Rs. 4,000

100. A tradesman marks his goods 10% above his cost price. If he allows his customers 10% discount on the marked price, how much profit or loss does he make, if any?

- (a) 1% gain
(b) 1% loss
(c) 5% gain
(d) No gain, no loss

Answer Keys :

76. (c) 77. (c) 78. (c) 79. (b) 80. (c) 81. (d) 82. (d) 83. (c) 84.
(a) 85. (d) 86. (a) 87. (c) 88. (a) 89. (a) 90. (d) 91. (b) 92. (c)
93. (d) 94. (a) 95. (c) 96. (a) 97. (c) 98. (b) 99. (b) 100. (b)



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