Quantitative Aptitude

SET -01

Directions (81-90) : What should come in place of the question mark (?) in the following questions?

81. (786 x 64) ÷ 48 = ?
(1) 1050   (2) 1024   (3) 1048   (4) 1036   (5) None of these

82. $\sqrt[3]{13824}$ x $\sqrt{?}$ = 864
(1) 1296   (2) 1156   (3) 1600   (4) 1024   (5) None of these

83. 60% of 20% of 3/5th of ? = 450
(1) 6200   (2) 6240   (3) 6150   (4) 6275   (5) None of these

84. 196 x 948 ÷ 158 = ?
(1) 1156   (2) 1200   (3) 1188   (4) 1176   (5) None of these

85. 3.5 + 11.25 x 4.5 - 32.5 = ?
(1) 18.275   (2) 21.625   (3) 32.375   (4) 25.45   (5) None of these

86. ($\sqrt{4096}$ x 56) / (764 -652) = ?
(1) 36   (2) 48   (3) 32   (4) 44   (5) None of these

87. (98360 + 25845 - 36540) ÷ 2500 = ?
(1) 36.585   (2) 30.082   (3) 32.085   (4) 35.066   (5) None of these

88. 7414 + 3698 + 1257 + 1869 = ?
(1) 14328   (2) 14438   (3) 13428   (4) 13248   (5) None of these

89. $(91)^2$ + $(41)^2$ - $\sqrt{?}$ = 9858
(1) 11236   (2) 10816   (3) 10404   (4) 9604   (5) None of these

90. (2640÷ 48) x (2240 ÷ 35) = ?
(1) 3520   (2) 3515   (3) 3495   4) 3490   5) None of these

Directions (91-95) : What should come in place of question mark (?) in the following number series ?

91. 121   117   108   92   67   ?
(1) 31   (2) 29   (3) 41   (4) 37   (5) None of these

92. 50   26   14   ?   5   3.5
(1) 6   (2) 8   (3) 10   (4) 12   (5) None of these

93. 3   23   43   ?   83   103
(1) 33   (2) 53   (3) 63   (4) 73   (5) None of these

94. 748   737   715   682   638   ?
(1) 594   (2) 572   (3) 581   (4) 563   (5) None of these

95. 1   9   25   49   81   ?   169
(1) 100   (2) 64   (3) 81   (4) 121   (5) None of these

96. The ratio of ducks and frogs in a pond is 37 : 39 respectively. The average number of ducks and frogs in the pond is 152. What is the number of frogs in the pond?
(1) 148   (2) 152   (3) 156   (4) 144   (5) None of these

97. In how many different ways can the letters of the word 'ARISE' be arranged ?
(1) 90   (2) 60   (3) 180   (4) 120   (5) None of these

98. The number of employees in Companies A, B and C are in a ratio of 4 : 5 : 6 respectively. If the number of employees in the Companies is increased by 25%. 30% and 50% respectively, what will be the new ratio of employees working in Companies A, B and C respectively ?
(1) 13 : 10 : 18   (2) 10 : 13 : 17   (3) 13 : 15 : 18   (4) Cannot be determined   (5) None of these

99. The average of five positive numbers is 213. The average of the first two numbers is 233.5 and the average of last two numbers is 271. What is the third number?
1.64   2.56   3.106   4.Cannot be determined
5.None of these

100. Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount of Rs. 12,750. What is Sonali s monthly income ?
(1) Rs. 42,500   (2) Rs. 38,800   (3) Rs. 40,000   (4) Rs. 35,500   (5) None of these

Directions (101 - 105): Study the following table carefully to answer the questions given below it.
Total Residents and Percentage of Women out of those Living in Various Societies Over the Years.

Residents	A		B		C		D		E	
Years	% of wome	Total Residents	% of women	Total residents	% of women	Total residents	% of women	Total residents	% of women	Total reside
2002	44	250	35	280	35	200	40	180	40	220
2003	45	260	30	270	40	250	60	170	65	240
2004	35	240	45	300	45	260	70	200	50	250
2005	40	250	55	320	55	280	60	210	45	220
2006	50	220	50	300	55	240	65	220	50	240
2007	60	240	60	340	60	250	60	230	40	260

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101. What is the difference between the total residents living in all the societies together in the year 2006 and the total residents living in all the societies together in the year 2007 ?
(1) 100　(2) 85　(3) 70　(4) 50　(5) None of these

102. What is the average number of men living in all the societies together in the year 2005 ?
(1) 110　(2) 125　(3) 115　(4) 120　(5) None of these

103. What is the respective ratio of men living in Society C in the year 2002 to the year 2003 ?
(1) 15 : 13　(2) 11 : 15　(3) 15 : 11　(4) 13 : 15　(5) None of those

104. What is the average number of women living in all the societies together in the year 2005 ?
(1) 130　(2) 131　(3) 125　(4) 140　(5) None of these

105. What is the respective ratio of the number of women to the total residents in Society E over the years?
(1) 69 : 143　(2) 344 : 715　(3) 173 : 358　(4) 346 : 717
(5) None of these

106. What approximate amount of compound interest can be obtained on an amount of Rs. 9,650 at the rate of 6.p.c.p.a. at the end of 3 years ?
(1) Rs. 1,737　2) Rs. 1,920　(3) Rs. 1,720　(4) Rs. 1,860
(5) Rs. 1843

107. A milkman sells 120 litres of milk for Rs. 3,360 and he sells 240 litres of milk for Rs. 6,120. How much concession does the trader give per litre of milk, when he sells 240 litres of milk ?
(1) Rs. 2　(2) Rs. 3.5　(3) Rs. 2.5　(4) Rs. 1.5　(5) None of these

108. When 3626 is divided by the square of a number and the answer so obtained is multiplied by 32, the final answer obtained is 2368. What is the number ?
(1) 7　(2) 36　(3) 49　(4) 6　(5) None of these

109. The sum of the digits of a two digit number is 14. The difference between the first digit and the second digit of the two digit number is 2. What is the product of the two digits of the two digit number?
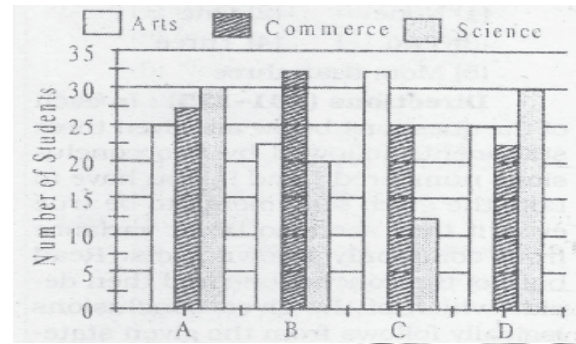(1) 56　(2) 48　(3) 45　(4) Cannot be determined　(5) None of these

110. A car runs at the speed of 50 kmph when not serviced and runs at 60 kmph. when serviced. After servicing the car covers a certain distance in 6 hours. How much time will the car take to cover the same distance when not serviced?
(1) 8.2 hours　(2) 6.5 hours　(3) 8 hours　(4) 7.2 hours　(5) None of these

Directions (111-115): Study the following graph and answer the questions given below it:
Number of Students from Various Faculties studying in Various Colleges (Number in Thousands).

Colleges

111. What is the ratio of the number of students from the faculty of Arts studying in college C to the number of students from the faculty of Arts studying in college D?
(1) 13 : 9　(2) 13 : 10　(3) 9 : 13　(4) 10 : 13　(5) None of these

112. What is the average number of students studying in college A from all the faculties together ?
(1) 26000　(2) 28500　(3) 26500　(4) 27000　(5) None of these

113. What is the average number of students from the faculty of Arts from all the colleges together ?
(1) 26250　(2) 27250　(3) 27000　(4) 26500　(5) None of these

114. The students from the faculty of Commerce studying in college B are approximately what per cent of the total number of students in the same college ?
(1) 30　(2) 35　(3) 43　(4) 48　(5) 53

115. What is the difference between the total number of students from the faculty of Commerce from all the colleges together and the total number of students from the faculty of Science from all the colleges together ?
(1) 20000　(2) 10000　(3) 25000　(4) 15000　(5) None of these

Directions (116-120): What approximate value should come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value.)
116. $\sqrt{964} \times \sqrt{348}$ = ?
(1) 575　(2) 570　(3) 586　(4) 550　(5) 579

117. 37.35 + 13.064 x 3.46 = ?
(1) 89　(2) 83　(3) 76　(4) 79　5) 85

118. (4863 + 1174 + 2829) ÷ 756 = ?
(1) 18　(2) 16　(3) 12　(4) 9　(5) 22

119. 54 x 746 ÷ 32 = ?
(1) 1259　(2) 1268　(3)1196　(4) 1248　(5) 1236

120. $[(1.5)^2 \times (3.2)^2 \div 2.3$ = ?
(1) 6　(2) 4　(3) 12　(4) 10　(5) 16

2

SET – 02

Directions (81-90) : What should come in place of the question mark (?) in the following questions?

81. $(84)^2 - (67)^2 + \sqrt{?} = 258$
(1) 361   (2) 529   (3) 441   (4) 625   (5) None of these

82. $668 \div 167 \times 284 = ?$
(1) 1156   2) 1136   (3) 1096   (4) 1116   (5) None of these

83. $\sqrt[3]{10648} \times \sqrt[3]{5832} = ?$
(1) 396   (2) 216   (3) 432   (4) 576   (5) None of these

84. 60% of 25% of $5/6^{th}$ of ? = 630
(1) 5060   (2) 5200   (3) 4880   (4) 4500   (5) None of these

85. $(85410 + 36885 + 24705) \div 1600 = ?$
(1) 90.25   (2) 94.386   (3) 95.50   (4) 91.875   (5) None of these

86. $4.5 + 23.50 + 14.58 - 17.68 \times 0.5 = ?$
(1) 33.74   (2) 21.29   (3) 35.06   (4) 24.48   (5) None of these

87. $(3675 \div 75) \times (7480 \div 80) = ?$
(1) 4394.5   (2) 4301   (3) 4581.5   (4) 4114   (5) None of these

88. $(\sqrt{7744} \times 66) / (203+149) = ?$
(1) 15   (2) 18.5   (3) 20   (4) 16.5   (5) None of these

89. $87146 - 66425 - 15693 = ?$
(1) 5038   (2) 5028   (3) 5040   (4) 5015   (5) None of these

90. $(786 \times 74) \div ? = 1211.75$
(1) 42   (2) 36   (3) 56   (4) 54   (5) None of these

Directions (91-95) : What should come in place of question mark (?) in the following number series ?

91. 36   20   ?   8   6   5
(1) 10   (2) 12   (3) 14   (4) 16   (5) None of these

92. 668   656   632   584   ?   296
(1) 392   (2) 438   (3) 488   (4) 536   (5) None of these

93. 1   121   441   961   1681
(1) 2701   (2) 2511   (3) 2611   (4) 2801   (5) None of these

94. 9   49   201   1009   ?   20209   80841
(1) 4054   (2) 4049   (3) 4050   (4) 4041   (5) None of these

95. 31   35   44   60   85   ?
(1) 121   (2) 111   (3) 109   (4) 97   (5) None of these

96. The average of five positive numbers is 308. The average of first two numbers is 482.5 and the average of last two numbers is 258.5. What is the third number?
(1) 224   (2) 58   (3) 121   (4) Cannot be determined   (5) None of these

97. Sophia invests 25% of her monthly salary in insurance policies. She spends 15% of her monthly salary in shopping and 35% of her salary on household expenses. She saves the remaining amount of Rs. 9,050. What is Sophia's annual income ?
(1) Rs. 84,500   (2) Rs. 5, 30,000   (3) Rs. 3, 25,200   (4) Rs. 4, 34,400   (5) None of these

98. The ratio of roses and lillies in a garden is 3 : 2 respectively. The average number of roses and lillies is 180. What is the number of lillies in the garden?
(1) 144   (2) 182   (3) 216   (4) 366   (5) None of these

99. The number of employees in companies A. B and C are in a ratio of 3 : 2 : 4 respectively. If the number of employees in the three companies is increased by 20%. 30% and 15% respectively, what will be the new ratio of employees working in companies A, B and C respectively ?
(1) 18 : 13 : 24   (2) 13 : 18 : 23   (3) 17 : 3 : 23   (4) 18 : 11 : 23   (5) None of these

100. In how many different ways can the letters of the word 'HAPPY' be arranged ?
(1) 120   (2) 140   (3) 60   (4) 70   (5) None of these

===

| Residents | A | | B | | C | | D | | E | |
Years	% of wome	Total Residents	% of women	Total residents	% of women	Total residents	% of women	Total residents	% of women	Total reside
2002	45	300	60	240	36	150	30	200	38	300
2003	30	250	75	280	40	200	60	260	40	280
2004	40	320	50	220	40	210	45	240	45	320
2005	45	340	60	250	50	230	50	250	40	300
2006	35	320	65	260	45	240	35	220	45	340
2007	50	350	60	300	45	260	40	240	40	330

101. What is the respective ratio of the number of women to the residents in society C over the years?
(1) 47 : 108   (2) 91 : 215   (3) 93 : 215   (4) 47 : 109   (5) None of these

102. What is the approximate average number of women living in all the societies together in the year 2002 ?
(1) 98   (2) 105   (3) 107   (4) 101   (5) 111

103. What is the difference between the total residents living in all the societies together in the year 2003 and the total residents living in all the societies together in the year 2004 ?
(1) 60   (2) 45   (3) 30   (4) 50   (5) None of these

104. What is the respective ratio of men living in society E in the year 2006 to the year 2007 ?
(1) 17 : 18   (2) 18 : 17   (3) 16 : 17   (4) 17 : 16   (5) None of these

105. What is the total number of men living in all the societies together in the year 2004 ?
(1) 710   (2) 736   (3) 680   (4) 742   (5) None of these

106. What amount of compound interest can be obtained on an amount of Rs. 8,840 at the rate of 5 p.c.p.a. at the end of 3 years ?
(1) Rs. 1,393.405   (2) Rs. 1,326   (3) Rs 1,384.50   (4) Rs. 1,340   (5) None of these

107. A trader sells 150 metres of cloth for Rs. 6,600 and he sells 300 metres of cloth for Rs.12, 750.How much concession does the trader give per metre of cloth, when he sells 300 metres of cloth?
(1) Rs. 3   (2) Rs.2.5   (3) Rs. 1.5   (4) Rs. 2   (5) None of these

108. When 3888 is divided by the square of a number and the answer so obtained is multiplied by 21, the final answer obtained is 252 What is the number ?
(1) 324   2) 16   (3) 256   (4) 144   (5) None of these

109. The sum of the digits to a two digit number is 14. The difference between the first digit and the second digit of the two digit number is 4. What is the two digit number ?
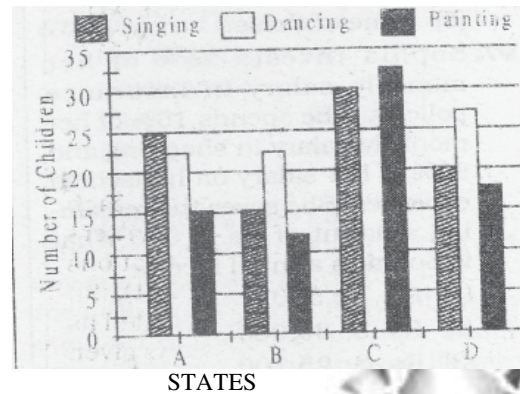(1) 86   (2) 95   (3) 68   (4) 77   (5) None of these

110. A car runs at the speed of 40 when not serviced and runs at 65 kmph. when serviced. After servicing the car covers a certain distance in 5 hours. How much approximate time will the car take to cover the same distance when not serviced ?
(1) 10   (2) 7   (3) 12   (4) 8   (5) 6

Directions (111-115) ; Study the following graph and answer the questions given below it:
Number of Children pursuing various Hobby classes in various States (Number in thousands).

STATES

111. What is the average number of children pursuing painting classes from all the States together ?
(1) 19735   (2) 17395   (3) 19725   (4) 18385   (5) None of these

112. The children pursuing singing classes in Slate A are what percent of the total number of children pursuing all the three classes from the same State ?
(1) 30   (2) 35   (3) 40   (4) 45   (5) None of these

113. What is 1he difference between the total number of children pursuing dancing and 'he total number of children pursuing painting form all the States together?
(1) 20000   2) 15000   (3) 25000   (4) 10000   (5) None of these

114. What is the respective ratio of the number of children pursuing dancing from State B to the number of children pursuing dancing from State D ?
(1) 7:9   (2) 11 : 9   (3) 11:7   (4) 9 : 11   (5) None of these

115. What is the average number of children pursuing singing, dancing and painting from State C ?
(Rounded off to the nearest integer)
(1) 28859   (2) 29167   (3) 291216   (4) 28765   (5) None of these

Directions (116-120) : What approximate value should come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value.)

116. $[(1.3)^2 \times (4.2)^2] \div 2.7 = ?$
(1) 7   (2) 21   (3) 18   (4) 11   (5) 16

117. $746 \div 32 \times 15 = ?$
(1) 350   (2) 345   (3) 355   (4) 340   (5) 335

118. $\sqrt{834} \times \sqrt{349} = ?$
(1) 525   2) 556   (3) 534   (4) 550   (5) 540

119. $(3986 + 2416 + 3897) \div 754 = ?$
(1) 18   (2) 14   (3) 11   (4) 9   (5) 21

120. $41.25 + 11.085 \times 2.75 = ?$
(1) 63   (2) 67   (3) 76   (4) 72   (5) 80

SET-03

Directions (81-95) : What will come in place of the question mark (?) in the following questions ?

81. 5/9 of 504+3/8 of 640 = ?
1.520   2.480   3.460   4.540   5.none of these

82. 4/9 of 3/8 of 2/7 of 294 =?
1.24   2.14   3.16   4.22   5.none of these

83. 16% of 250 + 115% of 480 = ?
1) 522   (2) 588   (3) 582   (4) 498   (5) None of these

84. 16.45 x 2.8 + 4.5 x 1.6 = ?
(1) 53.23   (2) 56.32   (3) 53.26   (4) 53.66   (5) None of these

85. 55% of 860 +?% of 450 = 581
(1) 24   (2) 28   (3) 32   (4) 36   (5) None of these

86.1740 ÷ 12 x 4070 ÷ 110 = ?
(1) 5635   (2) 5365   (3)5465   (4) 5445   (5)none of these

87. 72.42 + 385.66 + 4976.38 = ?
(1) 5234.46   (2) 5434.46   (3) 5434.66   (4) 5244.66   (5) None of these

88. 8 (5/9) x 4 (3/5) – 6 (1/3) = ?
1. 32(11/45)   2. 33(11/45)   3. 32 (1/45)   4. 33(1/45)   5.none of these

89.5760÷ 45 x 15 = ?
(1) 1890   2) 1828   (3) 1820   (4) 1928   (5) None of these

90. 9845 – 3896 + 486 = ? - 1128
(1) 7365   (2) 7463   (3) 7536   (4) 7653   (5) None of these

91. 22^2 + √? = 529
(1) 45   (2) 2045   (3) 2025   (4) 48   (5) None of these

92. (17 x 4+ 4^2 x 2) / (90÷ 5 x 12) = ?
1. 25/54   2. 22/57   3.11/27   4.13/27   5.none of these

93. 2520 ÷ 14 ÷ 9 = ?
(1) 22   (2) 18   (3) 20   (4) 16   (5) None of these

94. 8(2/5) x 5(2/3)+ ? = 50 (1/5)
1. 3(3/5)   2. 2(2/5)   3. 3(2/5)   4. 2(3/5)   5.none of these

95. 3.2% of 250 + 1.8% of 400 = ?
(1) 14.8   (2) 15.75   (3) 14.75   (4) 15.2   (5) None of these

Directions (96-100): What will come in place of the question mark (?) in the following number series ?
96. 11   13   16   20   ?
(1) 24   (2) 26   (3) 28   (4) 27   (5) None of these

97. 7   13   25   49   ?
(1) 99   (2) 97   (3) 89   (4) 87   (5) None of these

98.   608   304   152   76   ?
(1) 39   (2) 36   (3) 38   (4) 37   (5) None of these

99. 8   9   20   63   ?
(1) 256   (2) 252   (3) 246   (4) 242   (5) None of these

100. 5   6   10   19   ?
(1) 28   (2) 37   (3) 36   (4) 35   (5) None of these

101. Difference between the digits of a two digit number is 5 and the digit in the unit's place is six times the digit in the ten's place What is the number ?
(1)27   (2)72   (3)16   (4)61   (5) None of these

102. Find the average of the following set of numbers.
132, 148, 164, 128, 120, 136
(1) 142   (2) 136   (3) 138   (4) 144   (5) None of these

103. Which set of the following fractions is in descending order ?
1. 7/8, 5/7, 2/3, 3/5   2. 3/5, 2/3, 5/7, 7/8   3. 7/8, 5/7, 3/5, 2/3
4. 2/3, 3/5, 5/7, 7/8   5.none of these

104. Populations of two villages X and Y are in the ratio of 5 : 7 respectively. If the population of village Y increases by 25000 and the population of village X remains unchanged the respective ratio of their populations becomes 25 :36. What is the population of village X ?
(1) 6,25,000   (2) 6,75,000   (3) 8,75,000   (4) 9,00,000   (5) None of these

105. The 56% of a number is less than its 72% by 56. What is 70% of that number ?
(1) 300   (2) 235   (3) 240   (4) 350   (5) None of these

106. A 240 metre long train crosses a 300 metre long platform in 27 seconds. What is the speed of the train in kmph ?
(1) 66   (2) 60   (3) 76   (4) 64   (5) None of these

107. Vandana sells an article for Rs. 3240 and earns a profit of 20%. What is the cost price of the article?
(1) Rs. 2,800   (2) Rs. 2,820   (3) Rs. 2,750   (4) Rs. 2,700   (5) None of these

108.16 men can complete a piece of work in 7 days. In how many days will 28 men complete the same work ?
(1) 6 days   (2) 8 days   (3) 3 days   (4) 4 days   (5) None of these

109. Sum of five consecutive even numbers is 380. What is the second number in ascending order ?
(1) 76   (2) 78   (3) 74   (4) 72   (5) None of these

110. Cost of 6 dozen apples and 8 dozen bananas is Rs. 1400. What will be the cost of 15 dozen apples and 20 dozen bananas ?
(1) Rs. 3,200   (2) Rs. 3,500   (3) Rs. 3,600   (4) Rs. 4,200   (5) None of these

111. Beena and Meena stalled a boutique investing amounts of Rs. 35,000 and Rs. 56,000 respectively. If Beena's share in the

5

profit earned by them is Rs. 45,000. what is the total profit earned ?
(1) Rs. 81,000 (2) Rs. 1,27,000 (3) Rs. 72,000 (4) Rs. 1,17,000 (5) None of these

112. Simple interest accrued on an amount in eight years at the rate of 11 p.c.p.a. is Rs, 57,200. What was the principal amount ?
(1) Rs. 72,000 (2) Rs. 82,000 (3) Rs. 75,000 (4) Rs. 65,000 (5) None of these

113. Mr. Sharma invested an amount of Rs. 25,000 in fixed deposit at compound interest at the rate of 8 p.c.p.a. for two years. What amount Mr. Sharma will get on maturity ?
(1) Rs. 28,540 (2) Rs. 29,160 (3) Rs. 29,240 (4) Rs. 28,240 (5) None of these

114. Four-seventh of a number is equal to 40% of another number. What is the ratio between the first number and the second number respectively ?
(1) 5 : 4 (2) 4 : 5 (3) 10 : 7 (4) 7 : 10 (5) None of these

115. Nandkishore gives 35% of the money he had to his wile and gave 50% of the money he had to his sons. Remaining amount of Rs. 11,250 he kept for himself. What was the total amount of money Nandikishore had?
(1) Rs. 63,750 (2) Rs. 75,000 (3) Rs. 73,650 (4) Rs. 72,450 (5) None of these

Directions (116 - 120) : Study the following table carefully to answer these questions.
Number of Students studying five different disciplines from five Institutes:

Discipline/ Institute	Art	Commerce	Science	Management	Computer Science
A	350	260	450	140	300
B	240	320	400	180	320
C	460	300	360	160	380
D	440	480	420	120	340
E	280	360	340	200	330

116. Number of students studying Commerce from institute D is what per cent of the total number of students studying all the disciplines together from this Institute ?
1. 28 (1/3) 2. 26 (2/3) 3. 24 (2/3) 4. 24 (1/3) 5.None of these

117. What is the overage number of students studying all disciplines together from Institute F. ?
(1) 312 (2) 310 (3) 302 (4) 304 (5) None of these

118. What is the ratio between total number of students studying Science from Institutes C and D together and the total number of students studying Computer Science from these two institutes together respectively ?
(1) 13 : 12 (2) 12 : 13 (3) 13 : 15 (4) 15 : 13 (5) None of these

119. What is the average number of students studying Commerce from all the Institutes together ?
(1) 356 (2) 360 (3) 348 (4) 340 (5) None of these

120. Total number of students studying Arts from Institutes A and B together is approximately what per cent of the total number of students studying Computer Science from these two Institutes ?
(1) 84 (2) 85 (3) 88 (4) 90 (5) None of these

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SET – 04
Directions (81-95) : What will come in place of the question mark (?) in the following questions ?
81. (5/11) of (4/5) of (11/16) of 848 = ?
(1) 216 (2) 222 (3) 208 (4) 212 (5) None of these

82. 1.4% of 750 + 2.2% of 480 = ?
(1) 21.06 (2) 21.16 (3) 20.88 (4) 21.18 (5) None of these

83. ¾ of 116 – (2/3) of 87 = ?
(1) 31 (2) 27 (3) 29 (4) 26 (5) None of these

84. 6.96 ÷ 1.2 - 18.24 ÷ 7.6 = ?
(1) 3.4 (2) 3.14 (3) 3.04 (4) 3.24 (5) None of these

85. 32.25 x 2.4 x 1.6 = ?
(1) 128.84 (2) 123.84 3) 112.88 (4) 112.84 (5) None of these

86. 136% of 250 + ?% of 550 = 670
(1) 64 (2) 55 (3) 56 (4) 65 (5) None of these

87. 448 ÷ 16 x 35 = ?
(1) 850 (2) 890 (3) 950 (4) 980 (5) None of these

88. (14 x 25 - 5^3) / 24 x 5 + 8 x 9 = ?
1. 1(9/64) 2. 64/75 3. 1(11/64) 4.1(11/75) 5.none of these

89. 78.45 + 128.85 + 1122.25 = ?
(1) 1329.55 (2) 1239.55 (3) 1329.45 (4) 1239.45 (5) None of these

90. 8729 - 4376 + 1245 = ? + 2785
(1) 2713 (2) 2823 (3) 2833 (4) 2733 (5) None of these

91. 17(2/5) x 4 (5/8) - ? = 46(7/8)
1. 32(3/5) 2.33(3/5) 3.33(2/5) 4. 32(2/5) 5.none of these

92. 5616 ÷ 18 ÷ 8 = ?
(1) 36 2) 76 (3) 49 (4) 39 (5) None of these

93. 420 ÷ 28 x 288 ÷ 32 = ?
(1) 235 (2) 236 (3) 138 (4) 132 (5) None of these

94. 22^2 + √? = 516

1)1028 (2) 1024 3) 1124 (4) 1128 5) None of these

95. 45% of 660 + 28% of 450 = ?
(1) 413 (2) 428 3)423 (4) 418 (5) None of these

Dictions (96-100): What will come in the place of the question mark(?) in the following number series ?

96. 12 16 24 40 ?
1.76 2.72 3.84 4.88 5.none of these

97. 9 19 39 79 ?
(1) 139 (2) 129 (3) 159 (4) 149 (5) None of these

98. 8 17 42 91 ?
(1) 170 (2) 142 (3) 140 (4) 172 (5) None of these

99. 7 8 18 57 ?
(1) 244 (2) 174 (3) 186 (4) 226 (5) None of these

100. 3840 960 240 60 ?
(1) 20 (2)18 (3) 12 (4) 22 (5) None of these

101. 75% of a number is equal to three seventh of another number. What is the ratio between the first number and the second number respectively ?
1) 4 : 7 (2) 7 : 4 (3) 12 : 7 (4) 7 : 12 (5) None of these

102. A 275 metre long train crosses a platform of equal length in 33 seconds. What is the speed of the train in kmph ?
(1) 66 (2) 60 (3) 64 (4) 72 (5) None of these

103. What is compound interest accrued on an amount of Rs.45,000 in two years at the rate of 9 p.c.p.a. ?
(1) Rs.8,600 (2) Rs.8,565.40 (3) Rs.8,464.50 (4) Rs.8,540 5) None of these

104. Cost of 18 shirts and 45 trousers is Rs. 68.400. What is the cost of 10 shirts and 25 trousers ?
(1) Rs.38,000 (2) Rs. 36,000 (3) Rs. 34,200 (4) Rs. 36,200 (5) None of these

105. If the fractions 9/11, 7/9, 5/6, 4/5 and 11/13 are arranged in ascending order, which one will be the fourth?
1) 9/11 2)7/9 3)5/6 4) 4/5 5) none of these

106. Simple interest accrued on an amount in 8 years at the rate of 12 p.c.p.a. is Rs. 5,520. What is the principal ?
(1) Rs.5,750 (2) Rs. 8,500 (3) Rs.5,650 (4) Rs. 8,250 (5) None of these

107. Find the average of the following set of numbers :
148, 88, 184, 166, 96, 122
(1) 146 (2) 142 (3) 136 (4) 132 (5) None of these

108. Shrikant and Vividh started a business investing amounts of Rs. 1,85,000 and Rs. 2,25,000 respectively, If Vividh's share in the profit earned by them is Rs. 9,000 what is the total profit earned by them together ?

(1) Rs-17,400 (2) Rs. 16,400 (3) Rs. 16,800 (4) Rs. 17,800 (5) None of these

109. Present ages of father and son are in the ratio of 6 : 1 respectively. Four years hence the ratio of their ages will become 4 :1 respectively What is the son's present age ?
(1) 10 years (2) 6 years (3) 4 years (4) 8 years (5) None of these

110. A DVD player was purchased for Rs 4,860. At what price should it be sold so that 25% profit is earned ?
(1) Rs. 6,225 (2) RS. 6,275 (3) Rs. 6,075 (4) Rs. 6,025 (5) None of these

111. 65% of a number is more than its 2/5th by 140. What is 30% of that number?
(1) 186 (2) 168 (3) 164 (4) 182 (5) None of these

112. Number obtained by interchanging the digit of a two digit number is more than the original number by 27 and the sum of the digits is 13. What is the original number?
1)58 2)67 3)76 4)85 5)none of these

113. 22 men can complete a job in 16 days. In how many days will 32 men complete that job ?
1) 14 (2) 12 (3) 16 (4) 9 (5) None of these

114. Mr. Davar spends 38% of his monthly income on food, 25% on children's education and 12% on transport and the remaining amount of Rs. 5,800 he saves. What is Mr. Davar's monthly income ?
(1) Rs. 23,200 (2) Rs. 24, 200 (3) Rs. 23,800 (4) Rs. 24, 400 (5) None of these

115. A, B, C, D and E are five consecutive odd numbers. Average of A and C is 59. What is the smallest number ?
(1) 65 (2) 63 (3) 61 (4) 57 (5) None of these

Directions (116 -120) : Study the following table carefully to answer these questions.
Number of students appeared in SSC examination from five schools over the years.

School	A	B	C	D	E
2004	650	760	820	800	780
2005	700	740	860	780	740
2006	800	820	940	750	730
2007	750	880	920	840	790
2008	850	840	900	860	770

116. Number of students appeared from school E in 2004 is approximately what per cent of the total number of students appeared from all the schools together in % that year?
(1) 12 (2) 28 (3) 15 (4) 30 (5) 20

117. What is the average number of students appeared from school B for all the years ?
(1) 828 (2) 808 (3) 804 (4) 812 (5) None of these

118. Number of students appeared in 2006 from school A is what per cent of the total number of students appeared from school A for all the years together ?

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1) 23(2/3)   2) 22(1/3)   3) 22(2/3)   4) 21(1/3)
5)none of these

119. What is the ratio between the total number of students appeared in 2004 and 2005 together from schools C and D respectively ?
(1) 84 : 79   (2) 79 : 84   (3) 48 : 79   (4) 79 : 48
(5) None of these

120. What is the average number of students appeared from all the schools in 2007 ?
(1) 842   (2) 856   (3) 836   (4) 830   (5) None of these

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SET - 05

Directions (81-95) : What should come in place of the question mark (?) in the following questions ?

81. $630 \div 18 \div 5 = ?$
(1) 7   (2) 14   (3) 10   (4) 175   (5) None of these

82. 12(3/5)+4(1/5)x3(2/3) = ?
1. 28(1/5)   2. 27(2/15)   3.28   4. 26 (7/15)   5.none of these

83. 2/5 of ¾ of 5/8 of 480 = ?
(1) 90   (2) 120   (3) 240   (4) 180   (5) None of these

84. 8934 - 3257 + 481 = ? + 2578
(1) 6158   (2) 3580   (3) 3040   (4) 3400   (5) None of these

85. $8424 \div 135 \times 6 = ?$
(1) 124.8   (2) 249.6   (3) 374.4   (4) 274.4   (5) None of these

86. 12 x 3.5 - 8.5 x 3.2 = ?
(1) 14.8   (2) 18.4   (3) 69.2   (4) 16.8   (5) None of these

87. 23.56 + 134.44 + 4142.25 = ?
(1) 4302-25   (2) 4300.75   (3) 4301.25   (4) 4300.25   (5) None of these

88. 35% of430 + ? % of 360 = 276.50
(1) 30   (2) 25   (3) 45   (4) 15   (5) None of these

89. 5/9 of 567 + 3/5 of 485 = ?
(1) 24   (2) 606   (3) 480   (4) 600   (5) None of these

90. 140% of 450 + 24% of 650 = ?
(1) 786   (2) 474   (3) 800   (4) 488   (5) None of these

91. 3(3/4) x 4 (5/6) + ? = 23(3/4)
1. 4(5/8)   2. 5(1/2)   3. 5(3/8)   4. 5(5/8)   5.none of these

92. $\sqrt{?} + 15^2 = 235$
(1) 10   (2) 121   (3) 144   (4) 100   (5) None of these

93. (34 x4-12x8) / 6² + √196 + (11)² = ?
1. 40/121   2.36/171   3. 14/171   4. 22/171   5.none of these

94. 2.03% of 1400 + 4.2% of 450 = ?
(1) 18.09   (2) 10.33   (3) 24.42   (4) 46.51   (5) None of these

95. $3960 \div 24 \times 392 \div 14 = ?$
(1) 4305   (2) 193   (3) 4620   (4) 2310   (5) None of these

Directions (96-100) : What should come in place of the question mark (?) in the following number series ?

96. 8   39   155   464   ?
(1) 231   (2) 463   (3) 1391   (4) 927   (5) None of these

97. 4   5   14   51   ?
(1) 158   (2) 156   (3) 260   (4) 208   (5) None of these

98. 7   8   17   42   ?
(1) 67   (2) 78   (3) 91   (4) 106   (5) None of these

99. 5   6   15   50   ?
(1) 207   (2) 157   (3) 155   (4) 205   (5) None of these

100. 729   243   81   27   ?
(1) 18   (2) 9   (3) 3   (4) 15   (5) None of these

101. The ratio between the boys and girls in a class is 6 : 5 respectively. If 8 more boys join the class and two girls leave the class then the respective ratio becomes 11:7. What is the number of boys in the class now ?
(1) 28   (2) 38   (3) 44   (4) 36   (5) None of these

102. Mohan purchased an article and sold it for Rs. 2817.50 and earned 15 per cent on the cost price. What was the cost price of the article ?
(1) Rs. 2,500   (2) Rs. 2,450   (3) Rs. 2,550   (4) Rs. 3,315   (5) None of these

103. The difference between the average of three consecutive even numbers and the average of the next two consecutive even number is 5. What is the first even number ?
(1) 10   (2) 12   (3) 14   (4) Cannot be determined   (5) None of these

104. Cost of 24 bats and 32 sticks m Rs. 5,600. What is the price at 3 bats and 4 sticks ?
(1) Rs. 1,400   (2) Rs. 2,800   (3) Rs. 700   (4) Data inadequate   (5) None of these

105. Which of the following has the fractions in descending order ?
1. 5/7, 9/11, 7/9, 3/5   2.3/5, 5/7,7/9,9/11   3. 9/11, 7/9, 5/7,3/5   4. 9/11 , 5/7, 3/5, 7/9   5.none of these

106. A 160 metre long train running at a speed of 90 kmph crosses a platform in 18 seconds. What is the length of the platform in metres ?
(1) 210   (2) 240   (3) 290   (4) 310   (5) None of these

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107. 75% of a number is equal to four-fifth of another number. What is the ratio between the first number and the second number respectively ?
(1) 16 : 15   (2) 15 : 14   (3) 5 : 6   (4) 15 : 16   (5) None of these

108. What will be the difference between the compound interest and simple interest at the rate of 5 p.c.p.a. on an amount of Rs.4,000 at the end of two years ?
(1) Rs. 10   (2) Rs. 20   (3) Rs. 25   (4) Data inadequate   (5) None of these

109. The difference between the digits of a two digit number is 4 and the digit in the unit's place is one third of the digit in the tenth's place. What is the two-digit number ?
(1) 26   (2) 31   (3) 93   (4) 62   (5) Cannot be determined

110. The average of four consecutive even numbers is 27. What is the largest number ?
(1) 32   (2) 28   (3) 30   (4) 34   (5) None of these

111.The ratio between the present ages of P and Q is 3 : 4 respectively. Four years hence Q will be five years older than P. What is P's present age ?
(1) 15 years   (2) 20 years   (3) 25 years   (4) Cannot be determined   (5) None of these

112.Gaurav spends 40% of the amount he received from his father on hostel expenses, 20% on books and stationery and 50% of the remaining on transport. He saves Rs. 450 which is half the remaining amount after spending on hostel expenses, books etc. and transport. How much money did he get from his father ?
(1) Rs. 3,000   (2) Rs. 6,000   (3) Rs. 4,500   (4) Cannot be determined   (5) None of these

113.45% of a number is less than its 64% by 38. What is 20% of that number?
(1) 20   (2) 40   (3) 10   (4) 60   (5) None of these

114.12 Men can complete one-third of the work in 8 days. In how many days can 16 men complete that work ?
(1) 18   (2) 12   (3) 24   (4) Cannot be determined   (5) None of these

115.What is the average of the following set of numbers ?
       38,   92,   45,   25,   60
(1) 48   (2) 54   (3) 56   (4) 50   (5) None of these

Directions (116 - 120): Study the following table carefully and answer the questions given below ;
Number of students in Five Disciplines of a college over the years :

Discipline/year	Arts	Science	Commerce	Management	Agriculture
2001	240	358	275	215	314
2002	260	390	286	234	365
2003	275	374	265	269	336
2004	284	368	290	255	348
2005	296	415	272	284	326
2006	312	432	364	276	383

116. In which year the percentage change in the case of Agriculture discipline was highest from the previous year ?
(1) 2002   (2) 2003   (3) 2004   (4) 2005   (5) 2006

117. What was approximate percentage increase in the number of students in Commerce discipline from 2003 to 2004 ?
(1) 14   (2) 18   (3) 20   (4) 9   (5) 22

118. In which year was the difference in number of students in Arts and Science exactly 130 ?
(1) 2001   (2) 2002   (3) 2004   (4) 2006   (5) None of these

119. The total number of students in Agriculture in 2001 and 2005 together was approximately what per cent of number of students from the same discipline in 2002?
(1) 75   (2) 165   (3) 65   (4) 175   (5) 190

120. In which discipline was there a continuous increase in number of students over the given years ?
(1) Science   (2) Agriculture   (3) Arts   (4) Commerce   (5) Management

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