

## Test-III : Quantitative Aptitude

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

**81.**  $3.3 + 13.33 + 31.13 + 13.31 + 1.3 = ?$

- |          |                  |          |
|----------|------------------|----------|
| 1) 64.31 | 2) 62.37         | 3) 64.47 |
| 4) 62.17 | 5) None of these |          |

**82.**  $(16)^2 + (21)^2 - (13)^2 + ? = (25)^2$

- |       |                  |       |
|-------|------------------|-------|
| 1) 67 | 2) 32            | 3) 81 |
| 4) 97 | 5) none of these |       |

**83.**  $47 + 345 \div 15 \times 2 = ?$

- |       |                  |       |
|-------|------------------|-------|
| 1) 68 | 2) 93            | 3) 59 |
| 4) 71 | 5) None of these |       |

**84.**  $73\% \text{ of } 5800 - 69\% \text{ of } 240 = ?$

- |           |                  |           |
|-----------|------------------|-----------|
| 1) 4608.3 | 2) 4210.8        | 3) 4008.4 |
| 4) 4680.4 | 5) None of these |           |

**85.**  $\left(\frac{17}{119} \times \frac{98}{14}\right)^2 = ?$

- |      |                  |      |
|------|------------------|------|
| 1) 5 | 2) 7             | 3) 3 |
| 4) 9 | 5) None of these |      |

**86.**  $3.2 \times 2.1 \times 1.6 = ?$

- |           |                  |           |
|-----------|------------------|-----------|
| 1) 12.732 | 2) 10.752        | 3) 17.520 |
| 4) 15.270 | 5) None of these |           |

**87.**  $\frac{7}{4}$  of  $\frac{2}{28}$  of  $\frac{8}{9}$  of 567 = ?

- |       |                  |       |
|-------|------------------|-------|
| 1) 76 | 2) 91            | 3) 63 |
| 4) 82 | 5) None of these |       |

**88.**  $65 \times 15 \div ? = 195$

- |      |                  |      |
|------|------------------|------|
| 1) 5 | 2) 2             | 3) 1 |
| 4) 6 | 5) None of these |      |

**89.**  $204\% \text{ of } ? = 1848.24$

- |        |                  |        |
|--------|------------------|--------|
| 1) 517 | 2) 784           | 3) 321 |
| 4) 906 | 5) None of these |        |

90.  $9786 - 4321 + 5053 = ? - 3727$

1) 14245

2) 14524

3) 14452

4) 14254

5) None of these

91.  $\frac{17}{24} \div \frac{68}{24} \times \frac{380}{95} = (?)^2$

1) 4

2) 8

3) 6

4) 9

5) None of these

92.  $\sqrt{324} + \sqrt{1296} = ?$

1) 52

2) 44

3) 54

4) 42

5) None of these

93.  $23 + 636 \div 12 - 14 = ?$

1) 41

2) 53

3) 62

4) 78

5) None of these

94.  $\frac{9}{5}$  of  $\frac{265}{513}$  of  $? = 159$

1) 171

2) 198

3) 215

4) 143

5) None of these

95.  $6.5 \div 0.5 \times 2 - 4 = ?$

1) 31

2) 19

3) 22

4) 27

5) None of these

96. At what rate of simple interest will ₹ 4800 amount of ₹ 6480 in a span of 7 years?

1) 5

2) 6

3) 3

4) 4

5) None of these

97. How much will a sum of ₹6,300 amount to in a span of 2 years, at 5 pcpa rate of compound interest (rounded off to the nearest integer)?

1) ₹ 6946

2) ₹ 6876

3) ₹ 6521

4) ₹ 6790

5) ₹ 6492

98. In how many different ways can the letters of the word BAKERY be arranged?

1) 2400

2) 2005

3) 720

4) 5040

5) None of these

**99.** What will be the average of the following set of scores (rounded off to the nearest integer)?

62, 76, 42, 84, 21, 47, 28

- 1) 57    2) 54    3) 51  
4) 62    5) 66

**100.** The product of three consecutive numbers is 3360. What is the least number?

- 1) 17    2) 14    3) 13  
4) 16    5) None of these

**101.** The area of circle is 2464 square meters. What will its circumference be?

- 1) 132 meters    2) 176 meters    3) 232 meters  
4) 272 meters    5) 109 meters

**102.** The cost of 24 pens and 13 pencils is ₹ 175. What is the cost of 48 pens and 26 pencils?

- 1) ₹ 435    2) ₹ 705    3) ₹ 290  
4) ₹ 350    4) None of these

**Directions (Q. 103-105):** Study the following information and answer the questions that follow:

A sum of ₹ 10,980 is to be divided amongst A, B and C in the ratio 7 : 3 : 5

**103.** What is C's share?

- 1) ₹ 3,600    2) ₹ 3,006    3) ₹ 3,060  
4) ₹ 3,660    4) ₹ 3,124

**104.** What is the sum of B's and C's share?

- 1) ₹ 5,685    2) ₹ 5,865    3) ₹ 5,897  
4) ₹ 5,873    5) ₹ 5,856

**105.** What is the difference between A's and B's share?

- 1) ₹ 2,196    2) ₹ 2,928    3) ₹ 2,961  
4) ₹ 2,289    5) ₹ 2,982

**106.** If the perimeter of a rectangle is 138 metres and the difference between the length and the breadth is 7 metres, what is the area of the rectangle?

- 1) 1216 square meters                                  2) 1147 square metres  
3) 1184 square metres                                  4) 1178 square metres  
5) None of these

**Directions (q. 107-111): What should come in place of question mark(?) in the following number series?**

**107.** 7, 17, 54, ?, 1098, 6591

- 1) 204                          2) 212                          3) 223  
4) 219                          5) None of these

**108.** 55, 109, ? 433, 865, 1729

- 1) 279                          2) 372                          3) 217  
4) 318                          5) None of these

**109.** 19, 38, ?, 228, 684, 1368

- 1) 106                          2) 114                          3) 121  
4) 98                           5) None of these

**110.** 87, 89, 95, 107, ?, 157

- 1) 127                          2) 122                          3) 139  
4) 140                          5) None of these

**111.** 474, 459, 429, 369, 249, ?

- 1) 9                              2) 0                              3) 4  
4) 11                            5) None of these

**112.** 10 years ago, the ages of A and B were in the ratio of 13 : 17. 17 years from now the ratio of their ages will be 10 : 11. What is the age of B at present?

- 1) 23 years                      2) 40 years                      3) 27 years  
4) 44 years                      5) None of these

**Directions (Q. 113-117): Study the following table and answer the questions that follow:**

The table represents the total sales value (in lakhs) of five books, P, Q, R, S and T across eight book stores, A, B, C, D, E, F, G and H.

Books	Book stores							
	A	B	C	D	E	F	G	H
P	560	590	210	670	560	680	420	460
Q	550	560	890	230	820	610	520	230
R	450	290	540	530	500	520	560	410
S	230	240	560	400	430	200	210	480
T	230	400	410	240	200	360	500	470

**113.** What is the ratio the total sales values of Book P across all the bookstores and Book S across all the bookstores?

- 1) 83 : 55                      2) 85 : 53                      3) 83 :53  
4) 89 : 55                      5) None of these

**114.** The sale of the book R from Bookstore H is what per cent of the total sale of Book R across all the bookstores (rounded off to two places after the decimal)?

- 1) 21.12                      2) 17.19                      3) 7.43  
4) 3.04                      5) 10.79

**115.** What is the average sale (in lakh) of Bookstore E?

- 1) 502                      2) 504                      3) 512  
4) 540                      5) None of these

**116.** Book Q constituted **approximately** what per cent of the total sales of Bookstore C?

- 1) 34                      2) 39                      3) 32  
4) 23                      5) 28

**117.** What is the total sales value (in lakh) of Bookstore D?

- 1) 2510                      2) 2670                      3) 2900  
4) 2070                      5) None of these

**118.** The cost price of an article is ₹480. If it is to be sold at a profit of 6.25 per cent, what would its selling price be?

- 1) ₹510                      2) ₹530                      3) ₹503  
4) ₹519                      5) None of these

**119.** 13 articles were bought for ₹5,980 and sold for ₹6,656. What was the **approximate** profit percentage per article?

- 1) 15%                      2) 11%                      3) 9%  
4) 19%                      5) 13%

**120.** A and B together can complete a particular task in 4 days. If A alone can complete the same task in 6 days, how many days will B take to complete the task if he works alone?

- 1) 8                      2) 7                      3) 14  
4) 12                      5) None of these