# Toppersnotes
### Unleash the topper in you

# BANKING PYQ's

## For All Banking Exams

## VOLUME – 2

# Quantitative Aptitude & Computer

## SIERRA INNOVATIONS

# Banking PYQ's

**LEVEL – 1**

**Q.1** Directions: Determine the approximate value of '?' i n the following question.

(You are not ex pected to calculate the exact value)

1998.8991 ÷ 100.010 - 5.0211 × 2.8998 + 7.0198 =?   **[RRB Officer Scale - I 2022]**

(A) 4          (B) 6
(C) 8          (D) 10
(E) 12

**Q.2** Find the approximate value of '?' in the following question.

$64.14 \times \frac{9}{8}$ of $500\% - 71.92$ of $\frac{7}{9} \times 400\% = ?$   **[IBPS Clerk 2023]**

(A) 136          (B) 126
(C) 146          (D) 132
(E) None of these

**Q.3** Find the value of the given expression.

$$\sqrt{20 - \sqrt{20 - \sqrt{20 - \cdots \infty}}}$$

  **[EPFO SSA 2023]**

(A) 4          (B) 6
(C) 5          (D) 2
(E) 1

**Q.4** What approximate value should come in place of the question mark (?) in the following question?

(69.98% of 99.99) - (19.98% of 224.99) = (?)

  **[IBPS Clerk 2020]**

(A) 24          (B) 25
(C) 23          (D) 26
(E) 21

**Q.5** What approximate value should come in the place of question mark (?) in the following question?

(45.875 - 34.75) × (23.89 - 15.99) = ? + (34.87 - 17.98)   **[IBPS Clerk 2022]**

(A) 80          (B) 65
(C) 71          (D) 75
(E) 78

**Q.6** What approximate value should come in the place of question mark (?) in the following question?

(59.99% of 3499.99) + {(19.92% of 1224.95) ÷ 4.95} = ?   **[IBPS PO 2022]**

(A) 2085          (B) 2149
(C) 2471          (D) 2235
(E) 2238

**Q.7** What approximate value should come in the place of question mark (?) in the following question?

$\sqrt[3]{27.27} + 12.99 - 14.99\%$ of $79.98 = ?$

  **[IBPS PO 2020]**

(A) 4          (B) 2
(C) -2          (D) 8
(E) -4

**Q.8** What approximate value should come in the place of question mark (?) in the following question?

121.98 - [70.98 + {4.14 - (4.98 - (22.98 - 21.12))}] = ?   **[SBI PO 2023]**

(A) 40          (B) 50
(C) 30          (D) 60
(E) 20

**Q.9** What approximate value should come in the place of question mark (?) in the following question?

149.99 + 44.89 × 1.92 × (35.99 - 16.06) ÷ 17.97 = ?   **[RRB Officer Scale - I 2022]**

(A) 155          (B) 210
(C) 250          (D) 285
(E) 195

**Q.10** What approximate value should come in the place of question mark (?) in the following question?

19.99% of 119.99 + $\sqrt[3]{216.06}$ - $\sqrt{624.99}$ = ?   **[SBI PO 2022]**

(A) 3          (B) 15
(C) 12          (D) 5
(E) 10

**Q.11** What approximate value should come in the place of question mark (?) in the following question?

24.97% of 160.05 + 11.02% of 1099.97 = $?^2$ - 3.99% of 200.02   **[SBI PO 2022]**

(A) 17          (B) 9
(C) 5          (D) 13
(E) 21

**Q.12** What approximate value should come in the place of question mark (?) in the following question?

34.98% of 799.99 + 64.95% of 199.98 = ? + 49.99% of 249.99   **[SBI PO 2023]**

(A) 285          (B) 295
(C) 275          (D) 225
(E) 245

# SIMPLIFICATION

**Q.13** What approximate value should come in the place of question mark (?) in the following question?

$461.98 \div 20.96 \times \sqrt[3]{728.98} + (6.96)^2 = ?$

**[RRB Officer Scale - I 2023]**

(A) 256　　　　　(B) 241
(C) 237　　　　　(D) 247
(E) 226

**Q.14** What approximate value should come in the place of question mark (?) in the following question?

$5.982 + (4.972 - 11.92) \times 3.95 = ?$

**[RRB Officer Scale - I 2022]**

(A) 98　　　　　(B) 88
(C) 102　　　　　(D) 92
(E) 82

**Q.15** What approximate value will come in place of question mark (?) in the following question?

(64.98% of 400.01 + 33.06 × 21.918 - 743.018) = ?　　**[SBI PO 2023]**

(A) 207　　　　　(B) 225
(C) 216　　　　　(D) 243
(E) 238

**Q.16** What approximate value will come in the place of the question mark '?' in the following question?

$\sqrt{224.99} \div \sqrt{25.02} + 63 \div (9 \times \left(\frac{7}{3}\right)) = ?$

**[IDBI Executive 2021]**

(A) 9　　　　　(B) 8
(C) 7　　　　　(D) 6
(E) None of the above

**Q.17** What approximate will come in the place of the question mark '?' in the following question?

$(544.87 \div 5.05 + 199.89 \div 4.01) \div ? = 52.97$

**[IDBI Executive 2021]**

(A) 4　　　　　(B) 10
(C) 3　　　　　(D) 5
(E) 6

**Q.18** What approximate will come in the place of the question mark '?' in the following question?

$\{\sqrt{(784.02)} - 18.96\} \div 2.95 = ? \div 42.04$

**[IDBI Executive 2021]**

(A) 105　　　　　(B) 145
(C) 126　　　　　(D) 180
(E) 200

**Q.19** What approximate will come in the place of the question mark '?' in the following question?

9.891 - [8.992 - {7.796 - 6.610 - 5.190 + 3}] = ?　　**[RRB Officer Scale - I 2023]**

(A) 3.6　　　　　(B) 0
(C) 5.2　　　　　(D) 4.7
(E) None of them

**Q.20** What should come in place of question mark (?) in the following question?

$\sqrt{1296} + \sqrt[3]{216} = \sqrt{441} + ?$

**[IBPS Clerk 2020]**

(A) 21　　　　　(B) 12
(C) 42　　　　　(D) 24
(E) 28

**Q.21** What should come in the place of the question mark (?) in the following question?

[(27 × 10) ÷ 30 + 10500 ÷ 500] = ? × 15

**[SBI Clerk 2022]**

(A) 1　　　　　(B) 4
(C) 2.65　　　　　(D) 0.90
(E) 2

**Q.22** What value should come in place of question mark(?) in the question?

$\sqrt{43 + \sqrt{33 + \sqrt{4 + \sqrt{25}}}} = ?$

**[IBPS Clerk 2020]**

(A) 12　　　　　(B) – 9
(C) 7　　　　　(D) 11
(E) - 6

**Q.23** What will come in place of the question mark?

$500 \text{ of } \frac{1}{5} - \{4 \times (50 \div ?)\} = 80$

**[IBPS Clerk 2023]**

(A) 20　　　　　(B) 30
(C) 10　　　　　(D) 40
(E) 50

**Q.24** What will come in the place of the question mark'?' in the following question?

$\frac{?}{2} = 9\frac{1}{6} + 6\frac{1}{6} + 2\frac{1}{6}$　　**[IBPS Clerk 2023]**

(A) 35　　　　　(B) 25
(C) 32　　　　　(D) 30
(E) 28

**Q.25** What will come in the place of the question mark'?' in the following question?

$\frac{4}{13} \times \frac{3}{8} \times \frac{65}{2} \times ? = 45$ **[IBPS Clerk 2022]**

(A) 14　　　　　(B) 17
(C) 10　　　　　(D) 12
(E) None of these

# SIMPLIFICATION

**Q.26** If $\left(\frac{3}{5}\right)^x \times \left(\frac{5}{3}\right)^{2x} = \frac{625}{81}$, then the value of is:

**[EPFO SSA 2023]**

(A) 6      (B) 4

(C) 3      (D) 9

(E) 5

**Q.27** If x = $\sqrt{4\sqrt{4\sqrt{4\sqrt{4}\ ...}}}$ then what is the value

of x? **[EPFO SSA 2023]**

(A) 2      (B) 4

(C) 8      (D) 16

(E) 5

**Q.28** What approximate value should come in place of "?"in the following equation:
$\{(784.03)^{1/2} \times 3.97\} + (29.07 \times 12.96) = (?)^2 - (7.92 \times 5.01)$ **[IBPS PO 2024]**

(A) 529      (B) 8

(C) 24      (D) 23

(E) None of these

**Q.29** What approximate value should come in place of question mark?
$(22.03\% \text{ of } 150.01) + (361.33)^{1/2} + (63.92 \div 2.012) + (11.02\% \text{ of } 499.98) = ?$ **[SBI PO 2022]**

(A) 129      (B) 119

(C) 139      (D) 149

(E) 159

**Q.30** What approximate value should come in place of the question mark (?) in the following question?
$(11.91)^2 \div (3.98)^2 \times (12.94)^2 - (18.89)^2 = ?$ **[IBPS Clerk 2020]**

(A) 1244      (B) 1221

(C) 1160      (D) 1241

(E) 1143

**Q.31** What approximate value should come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)
$\sqrt{3.98} + (\sqrt{(2.22)^2 + 4.85}) \times 5.69 = 24.71\% \text{ of } ?$ **[SBI PO 2023]**

(A) 60      (B) 70

(C) 80      (D) 90

(E) 23

**Q.32** What approximate value should come in the place of question mark (?) in the following question?
$14.972 \times 4.99 \div 44.78 + 299.99 \div \sqrt{5624.98} \times 12.93 = ?$ **[SBI PO 2023]**

(A) 71      (B) 68

(C) 77      (D) 70

(E) None of These

**Q.33** What approximate value should come in the place of question mark (?) in the following question?
$259.09 \div [(4.95)^2 + (4.04) \text{ of } \{32.93 \div (22.22 \div 1.92)\}] = ? - 64.89$ **[RRB Officer Scale - I 2023]**

(A) 95      (B) 80

(C) 72      (D) 89

(E) 66

**Q.34** What approximate value should come in the place of question mark (?) in the following question?
$349.99 - [15.952 - (87.88 + 95.94) \div 7.99] = ?$ **[IBPS PO 2023]**

(A) 123      (B) 117

(C) 137      (D) 133

(E) 113

**Q.35** What approximate value should come in the place of question mark (?) in the following question?0
$459.98 \div 19.96 \times \sqrt[3]{728.98} + (6.96)^2 + 24.78 = \sqrt[3]{3374.8} + ?$ **[RRB Officer Scale - I 2023]**

(A) 244      (B) 266

(C) 240      (D) 282

(E) 234

**Q.36** what approximate value should come in the place of question mark (?) in the following question? (You are not expected to calculate the exact value)
$9.87\% \text{ of } [(299.96)^2 + (20.24)^2] = 999.99\% \text{ of } 4 + ?$ **[SBI PO 2023]**

(A) 8990      (B) 9899

(C) 9000      (D) 9989

(E) N.O.T.

**Q.37** What approximate value should come in the place of the question mark '?' in the following question?
$\sqrt{2401} \div 6.92 + \sqrt{143.79} + \sqrt[3]{728.82} \times 14.896 = ?$ **[RRB Officer Scale - I 2024]**

(A) 154      (B) 144

(C) 191      (D) 200

(E) None of these

**Q.38** What approximate value will come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value)
$8.001 \times 520.09 \div ? = \sqrt{289.03} - 27.97 \times 7.02 + 243.1$ **[RRB Officer Scale - I 2023]**
(A) 60      (B) 65
(C) 70      (D) 75
(E) 80

**Q.39** What approximate value will come in the place of the question mark '?' in the following question?
$\frac{540.34}{17.99} \div \frac{29.99}{449.89} \times \frac{1}{89.78} = ?$ **[IBPS PO 2022]**
(A) 45      (B) 90
(C) 5      (D) 10
(E) 15

**Q.40** What approximate value will come in the place of the question mark '?' in the following question?
$\{12960.31 \div 79.79 \times (9.75)^2\} \div 89.89 + \sqrt{195.79} - 10.23 = ?$ **[SBI PO 2023]**
(A) 184      (B) 162
(C) 204      (D) 211
(E) 193

**Q.41** What approximate will come in the place of the question mark '?' in the following question?
$\left(\frac{599.02}{119.98}\right) + \left(\frac{1659.83}{82.95}\right) \sqrt{10001} = ?$
**[RRB Officer Scale - I 2024]**
(A) 75      (B) -75
(C) 85      (D) -85
(E) None of these

**Q.42** What approximate will come in the place of the question mark '?' in the following question?
$\sqrt{1155.91} + \sqrt{730} + (44.99 \div 8.97 - 0.99)^{0.49} = ?$
**[SBI PO 2023]**
(A) 64      (B) 36
(C) 49      (D) 63
(E) 72

**Q.43** What approximate will come in the place of the question mark '?' in the following question?
$37.98\%$ of $549.99 + \sqrt{(49.02)} \div ? = 7.99 \times (2.97)^3$ **[SBI PO 2023]**
(A) 0      (B) 1
(C) 2      (D) 3
(E) 4

**Q.44** What should come in place of question mark (?) in the following question?
$6\frac{5}{3} + 7\frac{7}{6} + 4\frac{5}{12} + \frac{3}{4} = ?$ **[IBPS Clerk 2023]**
(A) 21      (B) $\frac{233}{12}$
(C) 20      (D) $\frac{242}{12}$
(E) $\frac{243}{13}$

**Q.45** What value should come in the place of question mark (?) in the following question?
$\left(\frac{4}{5} \times \frac{3}{5}\right) \div \frac{16}{35} + \frac{4}{5} = ?$ **[IBPS Clerk 2020]**
(A) 1.65      (B) 1.75
(C) 1.45      (D) 1.85
(E) 1.52

**Q.46** What will be the value of x in the given equation?
$\frac{1}{3^3} \times \frac{2}{3^3} \times \left(2\frac{1}{4}\right)^2 = \frac{x}{18}$ **[IBPS Clerk 2020]**
(A) ¼      (B) ½
(C) 1/8      (D) 4
(E) 8

**Q.47** What will come in place of (?) in the following questions?
$6\frac{2}{3} + 5\frac{5}{9} - 4\frac{1}{6} - 2\frac{1}{2} = ?$
**[IBPS Clerk 2020]**
(A) $6\frac{2}{3}$      (B) $5\frac{5}{9}$
(C) $4\frac{1}{6}$      (D) $3\frac{2}{3}$
(E) $2\frac{1}{3}$

**Q.48** What will come in the place of the question mark '?' in the following question?
$\frac{26}{24} of\ 408 + \frac{25}{48}\%\ of\ 43200 = ?$
**[SBI Clerk 2022]**
(A) 547      (B) 447
(C) 467      (D) 647
(E) 667

**Q.49** What will come in the place of the question mark '?' in the following question?
$1\frac{1}{6} + \frac{1}{8} + 2\frac{5}{8} - 3\frac{2}{3} = ?$ **[SBI Clerk 2024]**
(A) 1/5      (B) 2/3
(C) 1/6      (D) 1/4
(E) 1/2

**Q.50** What will come in the place of the question mark '?' in the following question?
$2\frac{1}{4} + 3\frac{1}{6} - 1\frac{2}{8} = ? + 1\frac{1}{12}$ **[SBI Clerk 2024]**
(A) $4\frac{3}{12}$      (B) $3\frac{4}{24}$
(C) $3\frac{1}{12}$      (D) $3\frac{5}{12}$
(E) $3\frac{4}{12}$

# SIMPLIFICATION

**Q.51** find the value of $\frac{7}{9} - \frac{17}{12} + \frac{21}{6} + \frac{35}{4}$.

**[IBPS Clerk 2023]**

(A) $\frac{108}{12}$  (B) $\frac{146}{9}$

(C) $\frac{189}{12}$  (D) $\frac{209}{18}$

(E) $\frac{418}{18}$

**Q.52** If we multiply fraction by itself and divide the product by its reciprocal then the fraction thus obtained is $18\frac{26}{27}$. The fraction is. **[IBPS PO 2020]**

(A) $\frac{8}{27}$  (B) $2\frac{2}{3}$

(C) $1\frac{1}{3}$  (D) $2\frac{1}{3}$

(E) None of these

**Q.53** The value of 5 ÷ 8 of 2 - 10 ÷ 5 of 8 + 6 ÷ 15 × (7 - 4) of 2 - 2 is: **[EPFO SSA 2023]**

(A) $\frac{43}{22}$  (B) $\frac{197}{80}$

(C) $\frac{37}{80}$  (D) $\frac{1}{16}$

(E) $\frac{4}{8}$

**Q.54** What approximate value should come in place of the question mark (?) in the following question?

$(15.72)^2 + 16.69 \times 24.41 - 363.76 \div 27.69 + 29.77 = ?$ **[IDBI Executive 2021]**

(A) 671  (B) 651

(C) 647  (D) 581

(E) 681

**Q.55** What approximate value should come in place of the question mark (?) in the following question?

$292 + 34.12 \% \text{ of } 700 \div \sqrt[3]{2744.21} = ? + \sqrt[3]{2197}$ **[SBI PO 2023]**

(A) 945  (B) 855

(C) 895  (D) 845

(E) 865

**Q.56** What approximate value should come in the place of question mark (?) in the following question?

$(12.98)^5 \div (168.9)^2 \times 2197.27 \div (12.98)^6 = 13.13(? - 4)$ **[IDBI Executive 2023]**

(A) 8  (B) 4

(C) 5  (D) 7

(E) 2

**Q.57** What approximate value should come in the place of question mark (?) in the following question?

$454.95 - 229.99 + ?^2 = 14.992 + 26.97 \times 179.97 \div 20.91$

**[RRB Officer Scale - I 2023]**

(A) 21  (B) 29

(C) 8  (D) 30

(E) 15

**Q.58** What approximate value should come in the place of question mark (?) in the following question?

$74.95 - 2.93 \times (\frac{35.96}{5.99} \div 2.99) \div (\frac{1}{2.99}) + 5.96 = ?$

**[RRB Officer Scale - I 2023]**

(A) 53  (B) 67

(C) 57  (D) 63

(E) 47

**Q.59** What approximate value should come in the place of question mark (?) in the following question?

$79.99 \times [11.98 \times (4.982 - 3.982)] \div (8.99 \times 4.98) = ? \% \text{ of } 433.99$

**[RRB Officer Scale - I 2023]**

(A) 50  (B) 64

(C) 34  (D) 24

(E) 44

**Q.60** What approximate value will come in place of the question mark (?) in the following question? (Note: You are not expected to calculate the exact value.)

$123.23 + 45 \times 45 - 25\% \text{ of } 499.9 = (99.99 \times 49.5)\% \text{ of } 29.9 + ?$

**[RRB Officer Scale - I 2023]**

(A) 522  (B) 621

(C) 720  (D) 424

(E) 538

**Q.61** What approximate will come in the place of the question mark '?' in the following question?

$[(6.98 + 2.95\sqrt{4.99}) \times (6.98\ 2.95\sqrt{4.99})]^{1/2} = ?$

**[RRB Officer Scale - I 2023]**

(A) 35  (B) 18

(C) 7  (D) 2

(E) None of them

**Q.62** What approximately will come in the place of the question mark '?' in the following question?

$$\left[\left(\frac{1105.05}{13}\right) - 4.8\% \ of \ 250 - 7.8\% \ of \ (35 \times 10)\right] = ?\% \times 300$$

**[IBPS Clerk 2021]**

(A) 15      (B) 16
(C) 32      (D) 12
(E) 10

**Q.63** What should come in place of question mark '?' in the following question?
$(2 \times \sqrt{891} - 21) + (\sqrt{11} - 9)^2 = (?)^2 - 73$

**[IDBI Executive 2022]**

(A) 22      (B) $8\sqrt{9}$
(C) $9\sqrt{16}$      (D) $4\sqrt{9}$
(E) $3\sqrt{8}$

**Q.64** What should come in place of question mark (?) in the following question?
$\frac{0.125}{0.75} + \frac{0.2}{0.15} + \frac{0.30}{4.5} + \frac{0.2}{0.06} = ?$

**[IBPS Clerk 2020]**

(A) 4.5      (B) 4.9
(C) 3.89      (D) 7.24
(E) 6.34

**Q.65** What should come in the place of the question mark '?' in the following question?
$12\frac{2}{3} \div 6\frac{1}{3} + 7\frac{1}{7} \times \frac{2}{5} - 12.5\% \ of \ 12 = ?$

**[SBI Clerk 2024]**

(A) 3.15      (B) 3.35
(C) 3.65      (D) 4.25
(E) 4.75

**Q.66** What value should come in place of question mark (?) in the following question?
$\sqrt[3]{19683} + \sqrt[2]{9604} - \sqrt[3]{3375} = ?$
$- \left(3\frac{1}{3}\% \ of \ 2070\right)$    **[IBPS Clerk 2023]**

(A) 159      (B) 169
(C) 179      (D) 149
(E) 189

**Q.67** What will come in place of (?) in the following questions?
$16\frac{2}{3}\% \ of \ 624 \times 4\frac{1}{6}\% \ of \ ? = 5304$

**[IBPS Clerk 2020]**

(A) 1220      (B) 1100
(C) 1224      (D) 1300
(E) 4800

**Q.68** What will come in place of question mark '?' in the following question?
$\frac{4}{7} \times \{165 + 126 - 546 \div 7\} \ of \ \frac{24}{27} = ?$

**[IDBI Executive 2022]**

(A) 220.97      (B) 240.76
(C) 168.66      (D) 108.20
(E) 167.81

**Q.69** What will come in place of question mark (?) in the following question?
$2\frac{1}{2} + 3\frac{1}{4} + ? + 2\frac{1}{3} = 13\frac{5}{12}$

**[IBPS Clerk 2022]**

(A) $5\frac{1}{3}$      (B) $3\frac{1}{3}$
(C) $6\frac{1}{3}$      (D) $4\frac{1}{3}$
(E) none of these

**Q.70** What will come in place of question mark (?) in the following questions?
$1\frac{4}{3} + 2\frac{4}{9} - \frac{1}{12} + 1\frac{5}{6} = ?$

**[IBPS Clerk 2020]**

(A) $\frac{235}{36}$      (B) $\frac{245}{36}$
(C) $\frac{234}{72}$      (D) $\frac{243}{72}$
(E) None of these

**Q.71** What will come in place of question mark(?) in the following questions?
$3\frac{6}{7} \div 33.33\% \ of \ 162 \times 2\frac{1}{2} = ?$

**[IBPS Clerk 2022]**

(A) $\frac{1}{32}$      (B) $\frac{5}{28}$
(C) $\frac{2}{5}$      (D) $\frac{4}{3}$
(E) $\frac{6}{25}$

**Q.72** What will come in the place of 'x' in the following question?
$0.87 \times 9 + \sqrt[3]{2.744} - \left(\frac{5}{8}\right) \ of \ 5.12 = x\% \ of$
$(33.84 - 9.72)$    **[IDBI Executive 2022]**

(A) 25      (B) 23
(C) 21      (D) 19
(E) 27

**Q.73** What will come in the place of the question mark '?' in the following question? ?% of
$550 \times \left(\frac{3}{5}\right) + \sqrt{625} = 28.57\% \ of \ 630 + 10$

**[SBI Clerk 2022]**

(A) 100      (B) 260
(C) 70      (D) 180
(E) 50

# SIMPLIFICATION

**Q.74** What will come in the place of the question mark '?' in the following question?
$(\sqrt{1024} + 19 \times 12) \div \sqrt{676} - 4 + 4680 \div ? = 474$

**[SBI Clerk 2025]**

(A) 10      (B) 8
(C) 16      (D) 3
(E) 11

**Q.75** What will come in the place of the question mark '?' in the following question?
$(18)^{7.9} \times (3)^{0.1} \times (6)^{0.1} \div \{(3)^4 \times (6)^4\} = (18)^?$

**[IBPS Clerk 2021]**

(A) 8      (B) 4
(C) 3      (D) 9
(E) 5

## ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Ans. | E | A | A | B | C | B | A | B | C | D | D | A | D | B | D |
| Ques. | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Ans. | D | C | C | B | A | E | C | C | A | D | B | B | D | C | C |
| Ques. | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| Ans. | C | C | C | B | B | C | A | B | C | A | B | D | B | A | D |
| Ques. | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Ans. | A | B | E | D | C | D | B | C | E | D | E | E | D | E | E |
| Ques. | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 |
| Ans. | D | A | D | B | B | C | C | D | A | A | B | A | E | A | B |

**LEVEL-1**

**Q.1** Find the missing number in the given series:
1822, 607, 202, 67, 22, ? **[IBPS PO 2020]**
(A) 5      (B) 6
(C) 7      (D) 8
(E) 9

**Q.2** Find the missing te rm in the following series ?
1000, ?, 500, 1000, 250, 2000
**[SBI PO 2022]**
(A) 500      (B) 400
(C) 600      (D) 525
(E) 625

**Q.3** Find the wrong term in the following series.
100, 91, 81, 70, 60, 45 **[IBPS Clerk 2023]**
(A) 91      (B) 81
(C) 60      (D) 70
(E) 45

**Q.4** Find the wrong term in the following series.
215, 200, 250,175, 275, 150, 300
**[SBI Clerk 2022]**
(A) 250      (B) 175
(C) 275      (D) 300
(E) 215

**Q.5** Find the wrong term in the following series.
34, 17, 17, 25.5, 50, 127.5
**[IBPS Clerk 2023]**
(A) 50      (B) 34
(C) 17      (D) 127.5
(E) 25.5

**Q.6** In each of the following number series, a wrong number is given, find out that number.
23, 45, 89, 177, 363, 705 **[IBPS Clerk 2021]**
(A) 177      (B) 45
(C) 89      (D) 363
(E) 705

**Q.7** In each of the following number series, the wrong number is given, find out that number.
2, 4, 12, 48, 200, 1440      **[SBI PO 2022]**
(A) 4      (B) 12
(C) 48      (D) 200
(E) 1440

**Q.8** In each of these questions a number is wrong in the series. Find out the wrong number.
14, 20, 34, 70, 134, 234, 378
**[RRB Officer Scale - I 2023]**
(A) 70      (B) 134
(C) 20      (D) 234
(E) 14

**Q.9** In the following number series, a wrong number is given. Find out the wrong number.
12, 13, 28, 88, 352, 1765      **[SBI PO 2022]**
(A) 12      (B) 28
(C) 1765      (D) 88
(E) 352

**Q.10** In the following number series, a wrong number is given. Find out the wrong number.
12, 72, 360, 1440, 4320, 8640, 8600
**[RRB Officer Scale - I 2023]**
(A) 8600      (B) 8640
(C) 12      (D) 72
(E) 360

**Q.11** In the following number series, only one number is wrong. Find out the wrong number.
3, 7, 15, 39, 63, 127, 255, 511
**[RRB Officer Scale - I 2022]**
(A) 15      (B) 39
(C) 63      (D) 127
(E) 7

**Q.12** What should come in place of question mark (?) in the following number series?
7, 11, 20, 36, 61,? **[IDBI Executive 2021]**
(A) 8      (B) 91
(C) 97      (D) 100
(E) 64

**Q.13** What should come in place of the question mark '?' in the following number series?
0.25, 2.25, 6.25, 12.25, 20.25, ?
**[SBI PO 2021]**
(A) 42.25      (B) 30.25
(C) 24.25      (D) 34.25
(E) 56.25

**Q.14** What should come in place of the question mark '?' in the following number series?
11, 10, 19, 56, ?, 1114 **[IBPS Clerk 2022]**
(A) 223      (B) 211
(C) 203      (D) 239
(E) 197

**Q.15** What should come in place of the question mark '?' in the following number series?
110, 121, 143, 176, ? , 275, 341
**[SBI PO 2023]**
(A) 210      (B) 215
(C) 270      (D) 218
(E) 220

**Q.16** What should come in place of the question mark '?' in the following number series?

137, 146, 159, 176, ?, 222.

**[IBPS Clerk 2023]**

(A) 200        (B) 198
(C) 195        (D) 197
(E) 202

**Q.17** What should come in place of the question mark '?' in the following number series?

15, 14, 26, 75, ?        **[IBPS Clerk 2023]**

(A) 256        (B) 316
(C) 244        (D) 296
(E) 274

**Q.18** What should come in place of the question mark '?' in the following number series?

20, 20, 41, 125, 503, ?        **[SBI PO 2021]**

(A) 2417        (B) 2487
(C) 2519        (D) 2119
(E) 2389

**Q.19** What should come in place of the question mark '?' in the following number series?

24, 12, 18, 45, ?, 708.75

**[RRB Officer Scale - I 2021]**

(A) 180        (B) 207
(C) 157.5        (D) 150
(E) 200

**Q.20** What should come in place of the question mark '?' in the following number series?

25, 26, 18, 45, ?, 106        **[SBI PO 2021]**

(A) -16        (B) -18
(C) -19        (D) -21
(E) 14

**Q.21** What should come in place of the question mark '?' in the following number series?

5600, 700, 2800, 1400, 1400, (?)

**[RRB Officer Scale - I 2023]**

(A) 2800        (B) 750
(C) 700        (D) 1410
(E) 1450

**Q.22** What should come in the place of question mark '?' in the following number series ?

5, 9, 18, 43, 92, 213, ?

**[RRB Officer Scale - I 2023]**

(A) 341        (B) 382
(C) 381        (D) 482
(E) 462

**Q.23** What will come in place of the question mark (?) in the following number series?

1, 0.5, 0.5, 1, 4, ?        **[IBPS PO 2022]**

(A) 16        (B) 10
(C) 32        (D) 72
(E) None of these

**Consider the following number series and answer the question based on this**

**18, 10, 12, 27, x, p**

**z + 4 = x – 27**

**Q.24** Which of the following is true about the value of z?        **[IBPS Clerk 2022]**

(A) z is an even number.
(B) z is a prime number.
(C) z is a perfect square number.
(D) z is greater than 90.
(E) Sum of digits of z is more than 20.

**Below given are series I such that logic followed in series ll is same as the logic followed in series I.**

**Series I: 60, 120, 24, 48, 9.6, 19.2**

**Series II: 100, W, X, Y, Z, 32**

**Q.25** Find the difference between the value of (W + Z) and (X + Y).        **[IBPS PO 2023]**

(A) 84        (B) 108
(C) 120        (D) 96
(E) 72

## LEVEL - 2

**Q.26** Direction: What will come in the place of the question mark '?' in the following question?

15, ? , 1279, 7679, 30719, 61439.

**[RRB Officer Scale - I 2022]**

(A) 159        (B) 158
(C) 156        (D) 155
(E) 157

**Q.27** Find the wrong number in the given series.

84, 42, 63, 157.5, 551.75, 2480.625

**[IDBI Executive 2022]**

(A) 551.75        (B) 63
(C) 42        (D) 2480.625
(E) 157.5

**Q.28** Find the wrong term in the following series.

27, 48, 80, 134, 221, 355 **[SBI Clerk 2022]**

(A) 355        (B) 221
(C) 48        (D) 27
(E) 80

**Q.29** Find the wrong term in the following series.
292, 291, 295, 268, 284, 161

**[SBI Clerk 2022]**

(A) 291      (B) 292
(C) 161      (D) 284
(E) 295

**Q.30** Find the wrong term in the following series.
312, 156, 234, 585, 2049.5, 9213.75

**[RRB Officer Scale - I 2023]**

(A) 585      (B) 2049.5
(C) 234      (D) 312
(E) 156

**Q.31** Find the wrong term in the series given below.
5.5, 2.75, 2.75, 5.5, 24, 176, 2816

**[IBPS Clerk 2023]**

(A) 5.5      (B) 24
(C) 176      (D) Series is correct
(E) 2816

**Q.32** In each of the following number series, a wrong number is given, find out that number.
100800, 14400, 2400, 480, 240, 40

**[IBPS Clerk 2021]**

(A) 40      (B) 240
(C) 14400      (D) 480
(E) 2400

**Q.33** In each of the following number series, a wrong number is given, find out that number.
1728, 1717, 1696, 1662, 1618, 1563

**[RRB Officer Scale - I 2023]**

(A) 1728      (B) 1662
(C) 1696      (D) 1618
(E) 1563

**Q.34** In each of the following number series, a wrong number is given. Find out that number.
540, 540, 270, 135, 22.5, 4.5

**[IBPS Clerk 2021]**

(A) 540      (B) 270
(C) 22.5      (D) 135
(E) 4.5

**Q.35** In each of the following number series, the wrong number is given, find out that number.
8, 88, 616, 3080, 9260, 18480

**[RRB Officer Scale - I 2024]**

(A) 18480      (B) 616
(C) 88      (D) 3080
(E) 9260

**Q.36** In each of these questions a number is wrong in the series. Find out the wrong number.
245, 250, 257, 267, 282, 306, 337

**[RRB Officer Scale - I 2023]**

(A) 25      (B) 267
(C) 306      (D) 245
(E) 337

**Q.37** In the following series, one of the terms given is wrong which is denoted by N.
Series: 85, 175, 355, 715, 1380
Find that term and mark the statement whose value is equivalent to $\frac{N}{30} + 1$ and mark that as your answer.

**[IBPS PO 2021]**

(A) It is a prime number.
(B) It is nearest to 40 which is closest multiple of 5.
(C) Sum of digit is less than 9
(D) Product of digits is more than 30
(E) None of these

**Q.38** In the question, a number series is given and in the series only one term is wrong. Find the wrong term.
160, 2560, 21470, 81920, 163840

**[RRB Officer Scale - I 2022]**

(A) 160      (B) 2560
(C) 21470      (D) 81920
(E) 163840

**Q.39** Series I : 14, x, 37, 53, 72
Series II : 48, x, 26, 53, 213, 1705
Series III : 8, 15, x, 35, 48, 63
The value of x is 24.
In which of the following series 'x' is not satisfied properly?    **[IBPS Clerk 2022]**
(A) Only I      (B) Only II
(C) Only III      (D) Only I and II
(E) Only II and III

**Q.40** What should come in place of question mark (?) in the following number series?
10, 35, 135, 360, 760, ? **[IBPS Clerk 2022]**
(A) 1225      (B) 1275
(C) 1365      (D) 138
(E) 1315

**Q.41** What will come in the place of question mark (?) in the following number series?
20, 30, 45, 67.5, 101.25, ?

**[RRB Officer Scale - I 2024]**

(A) 120.654      (B) 140.250
(C) 141.250      (D) 151.875
(E) 149.875

# NUMBER SERIES

Below given are series I such that logic followed in series ll is same as the logic followed in series I.

**Series I:** 60, 120, 24, 48, 9.6, 19.2
**Series II:** 100, W, X, Y, Z, 32"

**Q.42** If an equation has $\left(\frac{W}{X}\right)$ and $\left(\frac{Y}{10}\right)$ as its roots, then find that equation.

**[IBPS PO 2023]**

(A) $x^2 - \frac{19}{2}x + \frac{45}{2} = 0$

(B) $x^2 - \frac{87}{4}x + 3 = 0$

(C) $x^2 - \frac{32}{5}x + \frac{8}{25} = 0$

(D) $x^2 - \frac{23}{2}x + \frac{45}{2} = 0$

(E) $x^2 - 13x + 40 = 0$

**Directions (43-45) Answer the the information given below.**
**In the following question, two missing number series I and II are given. Both the given series are following the same pattern.**

**Series I:** P, Q, 139, 200, 267, 338
**Series II:** 79, 132, 191, R, S, 390

**Q.43** Find the average of value of Q, R and S?

**[IBPS Clerk 2023]**

(A) 207        (B) 217
(C) 227        (D) 237
(E) 247

**Q.44** There is another series (III) which is also following the same pattern as above. If sum of the 2nd term of series (I) and that of series (III) is 137 then the 5th term of series (III) is what percent more/less than the value of 'Q'?

**[IBPS Clerk 2023]**

(A) 205%        (B) 210%
(C) 215%        (D) 220%
(E) 225%

**Q.45** Which of the following term in series (I) is 6 more than the value of the value of $\frac{P \times R}{12}$ ?

**[IBPS Clerk 2023]**

(A) 7th term        (B) 8th term
(C) 9th term        (D) 10th term
(E) 11th term

## LEVEL - 3

**Q.46** Directions: In the given series a, b, c, d are positive integers that are given in terms of x, y, and any one of them.
20, a, b, c, d, 65
**Set - 1.**
x = HCF (2, 7)
y = z
$z^2 - 8z + 12 = 0$ (smaller root)

**Set - 2.**
$(a - 20) = x^2 + y^2$
$b = (x + 1)^2 + y + a + 1$
$c = (x + 2)^2 + y + b - 2$
$d = (x + 1)^2 + y + c + 2$
Find the value of "c" in given number series.        **[SBI PO 2021]**

(A) 41        (B) 36
(C) 2         (D) 51
(E) 38

**Q.47** Directions: In the given series A, B, C, D are positive integers that are given in terms of x, y, and z which are also positive integers Number series: ?, A, B, C, D

**Set - 1 :**
$x^2 - 10x + 21 = 0$(smaller root)
$y^2 - 33y + 266 = 0$(greater root)
$z = 9x - 1$

**Set - 2 :**
$A = (x + 1)^2 + y$
$B = (x + 2)^2 + z$
$C = (x + 6)^2 + 2$
$D = (x + 9)^2 + 3$

What will come in place of '?' in the given number series:-        **[SBI PO 2021]**

(A) 19        (B) 27
(C) 29        (D) 35
(E) 17

**Q.48** In the question, a number series is given and in the series, only one number is wrong. Find the wrong number.
30240, 15120, 10080, 7563, 6048, 5040, 4320        **[RRB Officer Scale - I 2022]**

(A) 30240        (B) 15120
(C) 10080        (D) 7563
(E) 4320

**Q.49** What should come in place of question Mark '?' in the following number series?
300, ?, 148, 221, 441, 1101.5

**[SBI PO 2023]**

(A) 115.5        (B) 150.5
(C) 149         (D) 151
(E) None of these

**Q.50** What should come in place of question Mark '?' in the following number series?
60, ?, 63.6, 70.8, 99.6, 243.6        **[SBI PO 2023]**

(A) 60.8        (B) 61.2
(C) 60.5        (D) 62.2
(E) None of these

**Q.51** What should come in place of the question mark '?' in the following number series?
?, 18, 38, 97.5, 295.5
**[RRB Officer Scale - I 2023]**
(A) 18      (B) 11
(C) 12      (D) 15
(E) None of these

**Q.52** Direction: What will come in the place of the question mark '?' in the following question?
100,152,382,1339, ?, 33153.25
**[RRB Officer Scale - I 2022]**
(A) 6025.5      (B) 6027.5
(C) 6028.5      (D) 6029.5
(E) 6024.5

**Q.53** Find the wrong term in the following series.
6, 91, 584, 2935, 11756, 35277, 70558
**[RRB Officer Scale - I 2022]**
(A) 91      (B) 70558
(C) 58      (D) 2935
(E) 35277

**Q.54** In each of the following number series, the wrong number is given, find out that number.
25, 200, 45, 320, 64, 512    **[SBI PO 2023]**
(A) 200      (B) 45
(C) 64      (D) 512
(E) 320
Correct: B"

**Q.55** In the following number series, only one number is wrong. Find out the wrong number.
15 18 43 168 511 1240
**[RRB Officer Scale - I 2022]**
(A) 15      (B) 18
(C) 43      (D) 168
(E) 511

**Q.56** What should come in place of the question mark '?' in the following number series?
40, 20, 19.5, 19.5, ?, 27.75
**[IDBI Executive 2022]**
(A) 18.25      (B) 18.5
(C) 18.75      (D) 18
(E) 17.75

**Q.57** What will come in the place of '?' in the following number series.
29, 21, -42, 21, -84, ?
**[RRB Officer Scale - I 2023]**
(A) -112      (B) 112
(C) -147      (D) 147
(E) -184

**Q.58** What should come in place of the question mark '?' in the following number series?
3, -11, 17, -39, 73, ?      **[SBI PO 2023]**
(A) -157      (B) -162
(C) -159      (D) -151
(E) -158

**Q.59** What will come in the place of question mark (?) in the following number series?
1000, 1500, 1875, 1875, 1406.25, ?
**[RRB Officer Scale - I 2024]**
(A) 803.125      (B) 660.125
(C) 540.125      (D) 703.625
(E) 703.125

**Q.60** What should come in place of the question mark '?' in the following number series?
930, 812, 506, ?, 272, 156   **[SBI PO 2023]**
(A) 450      (B) 342
(C) 225      (D) 345
(E) 375

**Directions (61-62) (a), (b), 102, 104, 107, 113, 128, 173**
**Note: calculate values of (a) and (b), then, answer the questions those follow:**

**Q.61** Double the value of (a), let it be x. Then, find the difference between x and 4th term of series given.    **[SBI PO 2022]**
(A) 98      (B) 88
(C) 164      (D) 102
(E) None of the above

**Q.62** From (b), a new series started. The 2nd term of series is (b + 22), 3rd term of series is (b + 33), 4th term of series is (b + 44) and so on. Find the $5^{th}$ term of series.
**[SBI PO 2022]**
(A) 98 + 55      (B) 99 + 55
(C) 100 + 55      (D) 101 + 55
(E) None of the above

**Consider the following number series and answer the question based on this.**
**18, 10, 12, 27, x, p**
**z + 4 = x - 27**
**Q.63** Find the value of p?    **[IBPS Clerk 2022]**
(A) 899      (B) 900
(C) 901      (D) 902
(E) 903

# NUMBER SERIES

**Directions (64-67) Answer the the information given below. Given below there are two rows, in the first row some numbers are given and in the second row the probability of picking that number is given when all numbers are considered as one series.**

| Number | 4 | a | b | 2b - 1 | 3(b + 1) | 38.5 |
|--------|---|---|---|--------|----------|------|
| Probability | $\frac{1}{3}$ | $\frac{1}{6}$ | $\frac{1}{3}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

**Q.64** Consider a wrong number series : 1, 9, 19, 32, 49, 72, 99 If wrong number of this series is replaced by correct term then find the value of it in terms of a? **[SBI PO 2023]**

(A) $a^4 - 6$      (B) $a^4 - 7$

(C) $a^4 - 8$      (D) $a^4 - 9$

(E) $a^4 - 10$

**Q.65** Consider an another wrong number series : 12, 17, 27, 44, 70, 120, 157 If wrong number of this series is represented by 'x' find the value of b × x? **[SBI PO 2023]**

(A) 108      (B) 176

(C) 280      (D) 480

(E) 628

**Q.66** If c = 3b + 1 then find the value of c?

**[SBI PO 2023]**

(A) 9      (B) 13

(C) 17      (D) 21

(E) 25

**Q.67** If the series 4, a, b, 2b - 1, 3(b + 1), 38.5 follow a certain pattern then find the value of a? **[SBI PO 2023]**

(A) 3      (B) 4

(C) 5      (D) 6

(E) 7

**Directions (68-69) Answer the the information given below.In the following question, two missing number series I and II are given.**

**Series I: 808, 520, 352, 232, A, 160**

**Series II: 500, 260, 140, 100, B, 88"**

**Q.68** Find the average of value of B, B + 12, and B + 36. **[IBPS PO 2023]**

(A) 106      (B) 107

(C) 104      (D) 108

(E) 112

**Q.69** Which of the following statements) given below is/are correct?

I: A is divisible by 21.

Il: Average of A and 200 is 192.

Ill: A is a prime number. **[IBPS PO 2023]**

(A) Only I and Ill      (B) All I, II, and III

(C) Only I      (D) Only I and lI

(E) Only Il

**Directions: Answer the the information given below.**

**Series X : 66, 148, 270, 440, 666, 956**

**Series Y : 138, 148, 174, 224, 346, 516**

**Series Z : 316, 541, 830, 1191, 1632, 2161**

**Subsequent terms in all the given series should follow the given pattern: 1 more than the square of a consecutive odd number."**

**Q.70** Which of the following series does not follow this pattern? **[SBI PO 2023]**

(A) Only X      (B) Only Y

(C) Only Z      (D) Both X and Y

(E) Both Y and Z

**Directions (71-73) Examine the following pattern of the series carefully and answer the following question.**

**Example: Find the wrong number in the following series and following the pattern, find the fourth term in the series starting with the wrong number.**

**32, 34, 36, 39, 40, 42**

**Here, the pattern of the series is the difference of 2.**

**Here the wrong number in the series is 39 So, starting with '39' the series will be 39, 41, 43,45 Therefore, the fourth term is 45."**

**Q.71** Similarly, following the above pattern, find the fourth term in the 2nd series.

88, 90, 94, 102, 108, 118 **[IBPS PO 2021]**

(A) 122      (B) 132

(C) 108      (D) 104

(E) 114

**Q.72** Similarly, following the above pattern, find the second term in the 2nd series.

9, 19, 58, 229, 1166, 6997 **[IBPS PO 2021]**

(A) 299      (B) 409

(C) 459      (D) 1378

(E) 369

**Q.73** Similarly, following the above pattern, find the third term in the 2nd series. 78, 80, 83, 88, 95, 104 **[IBPS PO 2021]**

(A) 109 (B) 106

(C) 103 (D) 112

(E) 105

**Directions (74-75) Given below there are three number series (I, II, and III). One of the numbers in each series (I, II, and III) is wrong or (odd one out).**

**Series I: 590, 615, 651, 711, 795, 927**

**Series II: 64, 164, 285, 510, 546, 770**

**Series III: 18, 25.5, 40.5, 63, 93, 131"**

**Q.74** Another number series, whose first term is 23, follows the same logic as followed in series (ii). L and K are the fifth and third terms of the new series respectively, then what is the value of (L - K)?

**[IBPS PO 2022]**

(A) 225 (B) 275

(C) 290 (D) 288

(E) 280

**Q.75** If the correct number of the series (i), (ii), and (iii) are represented as (X, Y, and Z) respectively, then which of the following equations is/are* correct?

I. $(X - Z) + 5 = Y - 152 + 2$

II. $(252 - Y) = (X + Z) - 785$

III. $Z + 300 - (X + Y) = 940$ **[IBPS PO 2022]**

(A) Only I (B) Only II

(C) Only I and III (D) Only III

(E) None of the above

| ANSWER KEY | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ques.** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **Ans.** | C | A | C | E | A | D | D | C | D | A | B | C | B | A | E |
| **Ques.** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** |
| **Ans.** | D | D | C | C | C | A | B | C | C | D | A | A | A | C | B |
| **Ques.** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** |
| **Ans.** | B | B | C | D | E | C | A | C | B | D | D | E | B | A | C |
| **Ques.** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** |
| **Ans.** | A | B | D | C | B | B | B | C | B | B | B | C | D | E | B |
| **Ques.** | **61** | **62** | **63** | **64** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** |
| **Ans.** | B | C | C | E | D | B | A | A | E | E | E | C | A | D | E |