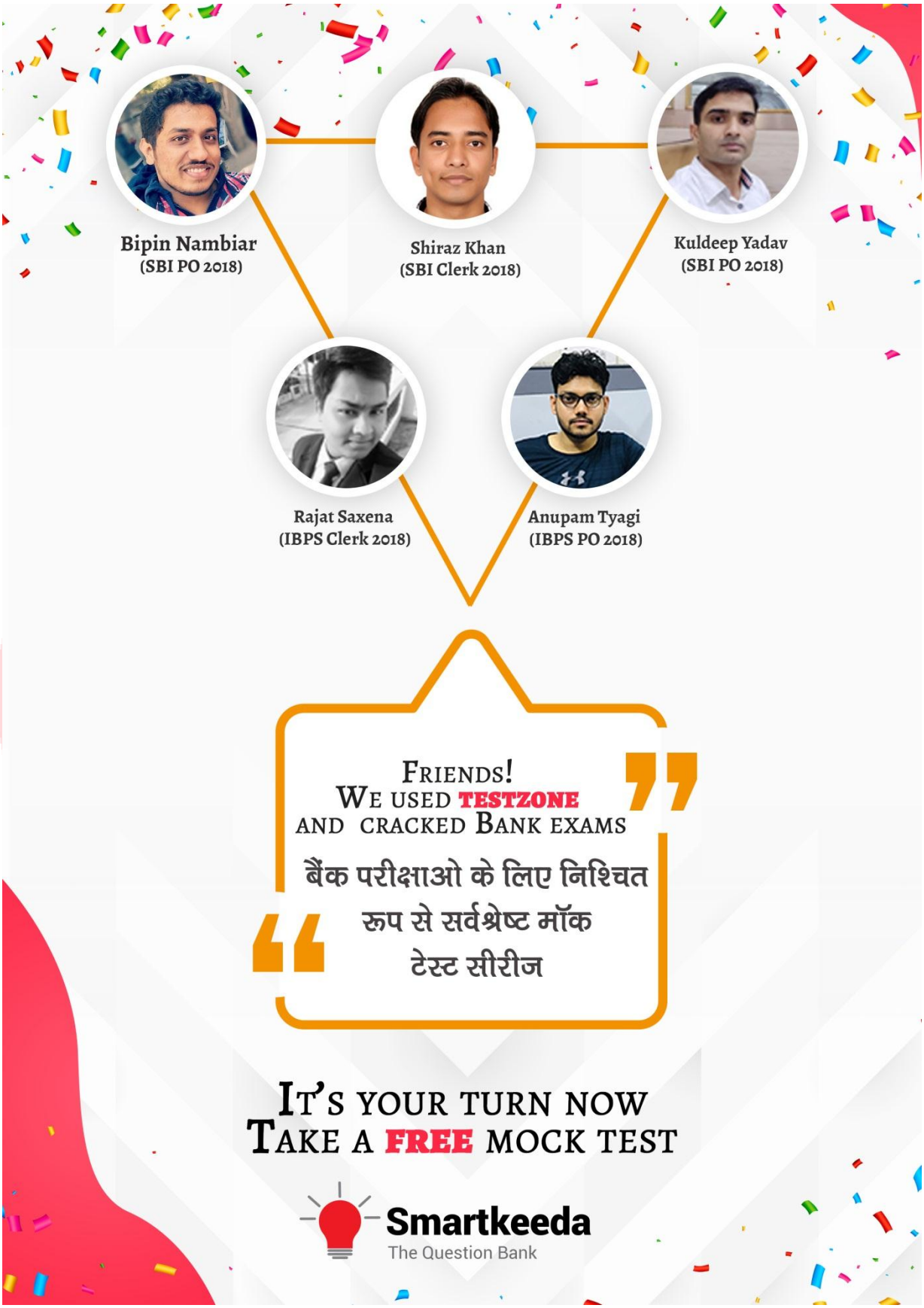
Bipin Nambiar
(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
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The Question Bank

Simplification Questions for IBPS Clerk Pre, LIC Asst., SBI Clerk Pre and IBPS RRB Exams.

Simplification Quiz 30

Directions: What value should come in place of Question mark (?) in the following question?

1. $48\% \text{ of } 2500 - \frac{7^3 \times 8}{\sqrt{196}} - 15\% \text{ of } \frac{80}{3} = ?$

A. 1050 B. 1100 C. 1500 D. 1000 E. 1200

2. $\left(\frac{86}{21.5}\right)^2 + \left(\frac{36}{\sqrt{9} \times 2}\right)^2 = ?$

A. 30 B. 22 C. 52 D. 35 E. 45

3. $\sqrt[3]{123 + 2744 \div 7^2 - 29 + 23^2 + 50} = ?$

A. 8 B. 7 C. 9 D. 5 E. 6

4. $36\% \text{ of } 450 + \sqrt{3136} - 18 \times 13 = ?$

A. – 16 B. – 78 C. – 34 D. – 40 E. – 5

5. $(120\% \text{ of } 200 \times 2.4) + \frac{24^2 - 14^2}{2} - 23 = ?$

A. 757 B. 743 C. 780 D. 792 E. 634

6. $\frac{\sqrt{1024} + 16 \times 13}{\sqrt{576}} - 4 + \frac{3}{7} \times 1092 = ?$

A. 790 B. 474 C. 940 D. 541 E. 639

7. $5\frac{1}{6} + 7\frac{2}{3} - 4\frac{1}{4} - 2\frac{1}{6} = ?$

A. $8\frac{7}{15}$ B. $5\frac{4}{11}$ C. $7\frac{3}{10}$ D. $6\frac{5}{12}$5/12 E. None of these

8. $366.633 + 636.36 - 666.333 - 33.366 + 3336.33 = ?$

A. 3639.624 B. 4532.224 C. 3242.332 D. 4426.634 E. None of these

9. $8200 \times 67 - 32518 = ? \times 90 + 12$

A. 5743 B. 6587 C. 5796 D. 6425 E. None of these

10. $12.5 \times 151.2 + 752.64 - 1858.64 = ?2$

A. – 28 B. 21 C. – 31 D. 16 E. 27

Correct Answers:

1	2	3	4	5	6	7	8	9	10
D	C	C	A	B	B	D	A	A	A

Explanations:

1.

$\Rightarrow 48\%\text{ of } 2500 - \frac{7^3 \times 8}{\sqrt{196}} - 15\%\text{ of } \frac{80}{3} = ?$

$\Rightarrow 1200 - \frac{7^3 \times 8}{7 \times 2} - 0.15 \times \frac{80}{3} = ?$

$\Rightarrow ? = 1200 - (7^2 \times 4) - \frac{12}{3}$

$\Rightarrow ? = 1200 - 196 - 4$
$\Rightarrow ? = 1000$
Hence, option D is correct.

2.

$\Rightarrow \left(\frac{86}{21.5}\right)^2 + \left(\frac{36}{\sqrt{9} \times 2}\right)^2 = ?$

$\Rightarrow 4^2 + 36 = ?$
$\Rightarrow ? = 16 + 36$
$\Rightarrow ? = 52$
Hence, option C is correct.

3.

$\Rightarrow \sqrt[3]{123 + 2744 \div 7^2 - 29 + 23^2 + 50}$ **= ?**
$\Rightarrow \sqrt[3]{123 + 2744 \div 49 - 29 + 529 + 50}$ **= ?**
$\Rightarrow \sqrt[3]{123 + 56 - 29 + 529 + 50}$ **= ?**
$\Rightarrow \sqrt[3]{758 - 29}$ **= ?**
$\Rightarrow \sqrt[3]{729}$ **= ?**
$\Rightarrow ? = 9$
Hence, option c is correct.

4.

$\Rightarrow 36\%\text{ of } 450 + \sqrt{3136} - 18 \times 13 = ?$
$\Rightarrow 162 + 56 - 234 = ?$
$\Rightarrow ? = -16$
Hence, option A is correct.

5.

$$\Rightarrow (120\% \text{ of } 200 \times 2.4) + \frac{24^2 - 14^2}{2} - 23 = ?$$

$$\Rightarrow (240 \times 2.4) + \frac{(24 - 14)(24 + 14)}{2} - 23 = ?$$

$$\Rightarrow 576 + \frac{10 \times 38}{2} - 23 = ?$$

$\Rightarrow 576 + 190 - 23 = ?$
$\Rightarrow ? = 766 - 23$
$\Rightarrow ? = 743$
Hence, option B is correct.

6.

$$\Rightarrow \frac{\sqrt{1024} + (16 \times 13)}{\sqrt{576}} - 4 + \frac{3}{7} \times 1092 = ?$$

$$\Rightarrow \frac{32 + 208}{24} - 4 + 3 \times 156 = ?$$

$\Rightarrow 10 - 4 + 468 = ?$
$\Rightarrow ? = 474$
Hence, option B is correct.

7.

$$5\frac{1}{6} + 7\frac{2}{3} - 4\frac{1}{4} - 2\frac{1}{6} = ?$$

$$= (5 + 7 - 4 - 2) + \left(\frac{1}{6} + \frac{2}{3} - \frac{1}{4} - \frac{1}{6}\right)$$

$$= 6 + \frac{2 + 8 - 3 - 2}{12}$$

$$= 6 + \frac{5}{12}$$

$$= 6\frac{5}{12}$$

Hence, option D is correct.

8. 366.633 + 636.36 – 666.333 – 33.366 + 3336.33 = ?
⇒ 3639.624 = ?
Hence, option A is correct.

9. ⇒ 8200 × 67 – 32518 =? × 90 + 12
⇒ 549400 – 32518 =? × 90 + 12
⇒ 516882 = ? × 90 + 12
⇒ ? × 90 = 516882 – 12
$\Rightarrow ? = \frac{516870}{90}$
⇒ ? = 5743
Hence, option A is correct.

10. $12.5 \times 151.2 + 752.64 - 1858.64 = ?^2$
$?^2 = 125 \times \frac{1512}{100} + 752.64 - 1858.64$
$?^2 = 378 \times 5 + 752.64 - 1858.64$
$?^2 = 1890 - 1106$
$?^2 = 784$
? = ± 28
Hence, option A is correct.