



SBI CLERK 2023



आधार Batch

DAY-1

SIMPLIFICATION

सीखो सबकुछ ZERO से

MATHS

LIVE

01:00 PM





SBI CLERK 2023 (आधार बैच)

Question 1 $1 - \frac{4}{9} \times 3402 + \frac{4}{11} \times 1386$
= ?

Handwritten annotations:
- Above $\frac{4}{9}$: 378
- Above $\frac{4}{11}$: 126
- Above 1386: 9
- To the right: $9-9=0$

$= 1512 + 504$

$= \underline{\underline{2016}}$

A. 6102

B. 2106

C. 2206

D. 3306

E. None of these

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$(125+1)$



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$$169 + 77$$

Question 2- $5^2 + 13^2 - 11^2 + 320 =$

~~$(?)^3 - 52 + 16 \times 20$~~

$$25 + 169 - 121 + 52 = x^3$$

Question 2- $5^2 + 13^2 - 11^2 + 320 = (?)^3 - 52 + 16 \times 20$

$$x^3 = 246 - 121$$

$$x^3 = 125$$

$$x = \underline{\underline{5}}$$

~~A.5~~

B.7

C.8

D.2

E. None of these



SBI CLERK 2023 (आधार बैच)

$$\frac{20}{100} = \frac{1}{5}$$

Question 3- 20% of 45 × 50% of 20 × ? = 1008

प्रश्न 3- 45 का 20% × 20 × का
= 1008

$$x = \frac{11.2}{10} = 1.12$$

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A. 12.2

B. 11.2

C. 13.2

D. 14.2

E. None of these



SBI CLERK 2023 (आधार बैच)

$$(75)^2 = 5625$$

⊗ → 8

$$\begin{array}{r} 5000 \\ 1100 \\ 106 \\ \hline 6206 \end{array}$$

Question 4- ~~75%~~ of ~~7500~~ + ~~2144~~ ÷ 4 = ?
- 30% of 150

प्रश्न 4- ~~7500~~ का ~~75%~~ + ~~2144~~ ÷ 4 = ? -
का 30%
 $5625 + 536 + 45 = x$

$$x = \underline{\underline{6206}}$$

- A. 2606
- B. 6026
- C. 6202
- D. 6206
- E. None of these

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$$\sqrt{7744}$$

88 / 82

$$\left. \begin{array}{l} 8^2 = 64 \\ 9^2 = 81 \end{array} \right\} 8 \times 9 = 72$$

Question 5- $\sqrt{7744} + 45\%$ of 1800 + $666 \div 37 = ?$

प्रश्न 5- $\sqrt{7744} + 1800$ का 45% + $666 \div 37 = ?$

$$= 916$$

$\frac{90}{9} \times 1800$ $\frac{3}{3} \times 6 \div 37$

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A. 1116

B. 2116

C. 619

D. 196

E. None of these



SBI CLERK 2023 (आधार बैच)

Question 6- $\frac{224}{5376} \div \frac{13}{24} \times 26 \div 2 - 700 = ?^2 - 3$

$$2915 - 700 = x^2$$

$$x^2 = 2215$$

$$x = \sqrt{2215}$$

$$47^2 = 2209$$

$$224(10+3)$$

$$2240$$

$$+ 672$$

$$\hline 2912$$

30

A.47

B.127

C.37

D.57

✓ E. None of these



Question 7 = $4532 + 3112 + 3416$
 $+ 2344 = ?$

$$\begin{array}{r} 12000 \\ 1300 \\ 90 \\ 14 \\ \hline 13404 \\ \hline \end{array}$$

A. 31404

B. 13204

C. 12404

D. 31404

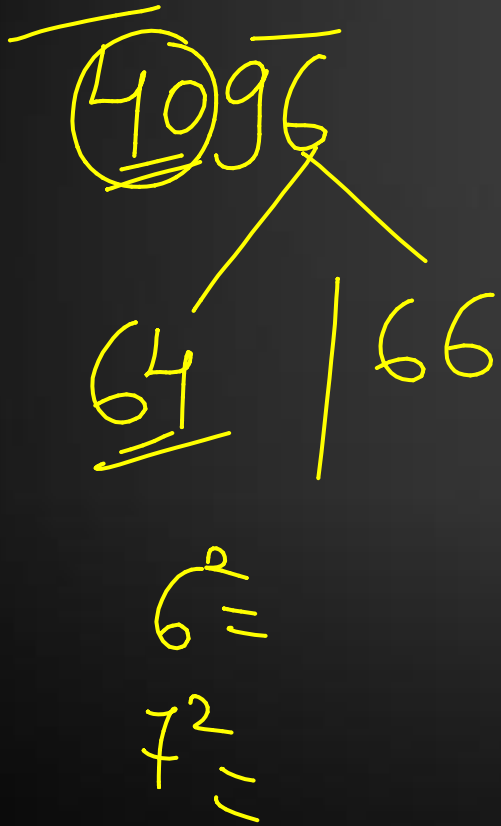
E. None of these

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Question 8- 64% of $\sqrt{409600} \div 1.6 = ?$



Handwritten calculation for the percentage:

$$\frac{64}{100} \times \frac{6400}{16} \times \frac{256}{100}$$

Handwritten result for the percentage:

$$x = 100$$

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- A. 200
- B. 410
- C. 210
- D. 100
- E. None of these



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$$(17)^3 = 4913$$

$$17^2 = 289$$
$$[a^m]^n = a^{m \times n}$$

Question 9- $(2.89)^6 \div (4913 \div 1000)^3$

$(0.17^2 \times 10)^5 = (1.7)^{x-6}$

$[1.7^2] \div [1.7^3] \times 1.7 = (1.7)$

x

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$$1.7^{12} \div 1.7^9 \times 1.7^5 = (1.7)^{x-6}$$
$$1.7^8 = 1.7^{x-6}$$
$$x-6 = 8$$
$$x = 14$$

- A. 12
- B. 14 ✓
- C. 16
- D. 7
- E. None of these



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Question 10- 25% of 88 + 50% of 120 =
?% of 4100

प्रश्न 10- 88 का 25% + 120 का 50%

का ?% $60 = 41x$

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$$x = \frac{82}{41}$$

$$\underline{\underline{x = 2}}$$

a) 1

b) 2

c) 3

d) 4



SBI CLERK 2023 (आधार बैच)

2197 → 13

$3\sqrt{0728}$
↓
12
 $1^3 = 1$
 $2^3 = 8$

Question 11- $\sqrt[3]{1728000} + \sqrt[3]{2197000} + \frac{7200}{9}$
= ?

$x = 120 + 130 + 800$

$x = \underline{\underline{1050}}$

- a) 2150
- ~~b) 1050~~
- c) 3150
- d) 1120

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Question 12- $53 \times 47 + 12.5\%$ of 832 + 20% of 35 $\times 17 = ?$
प्रश्न 12- $53 \times 47 + 832$ का 12.5% + 35×17 का $20\% = ?$

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$$12.5\% = \frac{1}{8}$$

$$\begin{array}{r} 2600 \\ 114 \\ \hline 2714 \end{array}$$

$$x = 2491 + 104 + 119$$

=

- a) 6280
- b) 1280
- c) 2680
- d) 3380
- e) None of these



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Question 13- Question 7- 11.11% of 7200 + 23.23% of 18900 = ?

$$\begin{aligned} & \frac{11.11\%}{9\%} = \frac{13100}{9\%} \\ & = 11.11\% \\ & = \frac{1}{9} \\ & \frac{23}{9} \times 18900 \end{aligned}$$

प्रश्न 7- 7200 का 11.11% + 18900 का 23.23% = ?

$$= 800 + 4600$$

$$= \underline{\underline{5400}}$$

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a) 4400

b) 5500

c) 5400

d) 6400

e) None of these



SBI CLERK 2023 (आधार बैच)

Question 14- 14.28% of 5600 + 42.84% of 2800 + 23.23% of $9900 = ?$

प्रश्न 14- 5600 का 14.28% + 2800 का 42.84% का 23.23% = ?

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$$= \underline{\underline{4300}}$$

a) 4400

~~b) 4300~~

c) 5300

d) 6300

e) None of these

$$14\frac{2}{7}\% = 14.28\% \\ = \frac{1}{7}$$



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Question 15- 9.09% of 6600 + 36.36% of 8800 + 45.45% of 4400 =?

प्रश्न 15- 6600 का 9.09% + 8800 का 36.36%

का 45.45% = ?
 $6600 + 3200 + 2000$

$$= \underline{\underline{5800}}$$

a) 5800

b) 4800

c) 6800

d) 8800

e) None of these

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$$9.09\% = \frac{1}{11}$$

$$\frac{4}{11} \times 8800$$



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Question 16- 12.5% of 1600 + 62.5% of 4000 – 37.5% of 800 = ?

प्रश्न 16- 1600 का 12.5% + 4000 का 62.5% – 800 का 37.5% = ?

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$$= 200 + 2500 - 300$$

$$= \underline{\underline{2400}}$$

a) 3000

b) 4000

c) 5000

d) 6000

~~e) None of these~~



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B ✓
O
D ✓
M ✓
A ✓
S ✓

Question 17- {55 - ~~(66)~~ - 54 ÷ 9
× 8)} = ?

$$= 55 - 18$$

$$= 37$$

$$66 - 6 \times 9$$

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a) 73

b) 10

c) 19

d) 37

e) None of these



Question 18- ~~48~~ ²⁴ × 24 ÷ 2 + 24 = ?

$$= 576 + 24$$

$$= \underline{\underline{600}}$$

a) 400

b) 500

c) 700

d) 240

~~e) None of these~~

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$$\frac{48 \times 24}{2}$$

$$(24)^2 =$$

$$04 \ 16$$

$$\begin{array}{r} 16 \\ \hline 576 \end{array}$$



Question ~~19~~ - ¹²⁰ ¹⁶ ~~(720 + 96) ÷ 6 - 10 = ?~~

126

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a) 130

b) 127

c) 226

d) 326

e) None of these



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100

$$\begin{array}{l} 96 \\ 94 \end{array} \begin{array}{l} \nearrow -4 \\ \searrow -6 \end{array} \begin{array}{l}) \\ \times \end{array}$$

9024

$$\begin{array}{l} 102 \\ 108 \end{array} \begin{array}{l} \nearrow +2 \\ \searrow +8 \end{array} \begin{array}{l}) \\ \times \end{array}$$

11016

Question 20- $96 \times 94 + 102 \times 108 - 24800 \div 8 = ?$

$$= 9024 + 11016 - 3100$$

$$= 20040 - 3100$$

$$= \underline{\underline{16940}}$$

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- a) 19640
- b) 16490
- c) 16940
- d) 16440
- e) None of these



Question 21- $\sqrt{434 \overset{30}{\pm} \sqrt{30 \overset{19}{\pm} \sqrt{361}}} = X+20$

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$$\sqrt{221} = X+20$$

$$X = 21 - 20$$

$$\underline{\underline{X = 1}}$$

a)31

b)41

c)51

d)21

~~e)None of these~~



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Question 22- $\frac{4}{13}$ of 16900 + $\frac{5}{17}$ of 1700 – 37.5% of 240 = ?

प्रश्न 22- 16900 का $\frac{4}{13}$ + 1700 का $\frac{5}{17}$ – 37.5% = ?

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Question 23- $67 \times 67 + 2324$
– $1600 = ?$

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- a) 5231
- b) 5203
- c) 5213
- d) 4323
- e) None of these








Question 24- 80% of $2550 +$
 $\frac{(120+120+120)\div 12}{3+2+5\div 5} = ?$

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- a) 2010
- b) 2040
- c) 2045
- d) 2020
- e) None of these

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-  Discussion / Doubt Solving
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