



SBI CLERK 2023



रफ्तार Batch

- Simplification
- Quadratic Equation
- Data Interpretation - (Table)
- Data Interpretation - (PIE-Chart)

MATHS / Day-1

हल करो सब कुछ चुटकियों में

LIVE

11:00 AM





$$68^2 = 4624$$

$$\begin{array}{r} 3664 \\ +96 \\ \hline \end{array}$$

$$(115)^2 = 13225$$

$$(75)^2 = 5625$$

②

Question 1- $68^2 + 75^2 + 115^2 = ?$

$$= \underline{4624} + \underline{5625} + \underline{13225}$$

$$= \begin{array}{r} 22000 \\ 14000 \\ \hline 36000 \\ 74 \\ \hline 3674 \\ \hline 23474 \end{array}$$

A. 23574

B. 25674

C. 33473

D. 22474

~~E. None of these~~



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Question 2- $62 \times 68 + 110 \times 120 - 14^3 = ?$

$$62 \times 68 = 4216$$

$$= 4216 + 13200 - 2744$$

$$= 17416 - 2744$$

$$= 14672$$

A. 12672

B. 22672

C. 23672

D. 11672

~~E. None of these~~



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1/4

Question 3- $(200 + 400 \div 2 \text{ of } 0.25 - 250) \div ? = 50$

प्रश्न 3- $(200 + 400 \div 2 \text{ का } 0.25 - 250) \div ? = 50$

$$50 = \left(200 + 400 \div \frac{1}{2} - 250 \right) \div x$$

$$50 = \frac{200 + 800 - 250}{x}$$

$$50 = \frac{750}{x}$$

$$x = 15$$

A. 10

B. 20

C. 5

D. 8

E. None of these



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Question 4- ~~60%~~ of ~~450~~ - 33.33% of 540 + ? = 100

प्रश्न 4- 450 का 60% - 540 का 33.33% + ? = 100

$$270 - \frac{1}{3} \times 540 + x = 100$$

$$x = 100 - 90$$

$$x = 10$$



A. 143

B. 123

C. 133

D. 153

E. None of these



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Question 5- $[(4/5 \text{ of } 400 + 2/3 \text{ of } 126) - (55 \times 4 + 40 \times 3/8)] = ?$

प्रश्न 5- $[(400 \text{ का } 4/5 + 126 \text{ का } 2/3) - (55 \times 4 + 40 \times 3/8)] = ?$

$$x = \left[\frac{4}{5} \times 400 + \frac{2}{3} \times 126 \right] - \left[220 + \frac{3}{8} \times 40 \right]$$

Handwritten annotations for the first part: 320 above 4/5, 80 above 400, 84 above 2/3, 42 above 126.

$$= 404 - 235$$
$$= \underline{\underline{169}}$$


- ~~A. 169~~
- B. 159
- C. 129
- D. 119
- E. None of these



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Question 6- 11.11% of 5400 + 23.23% of 49500 = ?

प्रश्न 6- 5400 का 11.11% + 49500 का 23.23% = ?

$$11.11\% = \frac{1}{9}$$

$$23.23\% = \frac{23}{99}$$

$$\frac{1}{9} \times \overset{600}{\cancel{5400}} + \frac{23}{99} \times \overset{500}{\cancel{49500}}$$

$$= 600 + 11500$$
$$= \underline{\underline{12100}}$$



A. 13100

B. 11100

C. 12100

D. 14100

E. None of these



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$$\sqrt[3]{421875} = 75$$

$$\frac{19}{99} \times 9900 = 1900$$

Question 7- $\sqrt[3]{421875} + 19.19\% \text{ of } 9900 + \underline{45 \times 45}$

$$= 75 + 1900 + 2025$$

$$= 4000$$



A. 3300

B. 2210

C. 1100

~~D. 4000~~

E. None of these



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Question 8- 14.28% of 1400 + 42.84% of 2100 + 23.23% of 99 = ?

प्रश्न 8- 1400 का 14.28% + 2100 का 42.84% + 99 का 23.23% = ?

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

$$= \frac{1}{7} \times 1400 + \frac{3}{7} \times 2100 + \frac{23}{99} \times 99 \\ = \underline{\underline{1123}}$$



~~A. 1123~~

B. 1133

C. 1223

D. 1233

E. None of these



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Question 9- 11.11% of $900 + 22.22\%$ of $1800 - 44.44\%$ of $3600 = ?$

प्रश्न 9- 900 का $11.11\% + 1800$ का $22.22\% - 3600$ का $44.44\% = ?$

$$= \frac{1}{9} \times \overset{100}{900} + \frac{2}{9} \times \overset{400}{200} - \frac{4}{9} \times \overset{1600}{400}$$

$$= 500 - 1600$$

$$= \underline{\underline{-1100}}$$



A. 1100

B. 1200

C. -1100

D. -1300

E. None of these

$$xy \cdot xy = \frac{xy}{99}$$



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Question 10- 9.09% of 3300 + 36.36% of 4400 + 45.45% of 2200 =?

प्रश्न 10- 3300 का 9.09% + 4400 का 36.36% + 2200 का 45.45% =?

$$= \frac{1}{11} \times 3300 + \frac{4}{11} \times 4400 + \frac{5}{11} \times 2200$$

$$= \underline{\underline{2900}}$$



A. 1900

B. 3900

C. 2900

D. 1600

E. None of these



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Question 11- 12.5% of 6400 + 62.5% of 8000 - 37.5% of 1600 = ?

प्रश्न 11- 6400 का 12.5% + 8000 का 62.5% - 1600 का 37.5% = ?

$$\begin{aligned} &= \frac{1}{8} \times 6400 + \frac{5}{8} \times 8000 - \frac{3}{8} \times 1600 \\ &= 800 + 5000 - 600 \\ &= \underline{\underline{5200}} \end{aligned}$$



A. 4200

B. 3200

C. 3300

D. 5200

E. None of these



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$$(a+b)(a-b) = a^2 - b^2$$

$$(30+3)(30-3)$$

$$(100-1) \times 24$$

$$\begin{array}{r} 2400 \\ -24 \\ \hline 2376 \end{array}$$

Question 11- $33 \times 27 + 99 \times 24 + 2560 \div 8 = ?$

$$= 891 + 2376 + 320$$

$$= \underline{\underline{3587}}$$



A. 2587

B. 3587

C. 1187

D. 5587

E. None of these

99-23

2376



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Question 12 - $30\% \text{ of } 140 + \sqrt[3]{2197} - 4 = ?$

प्रश्न 12- $140 \text{ का } 30\% + \sqrt[3]{2197} - 4 = ?$

$$= 42 + 13 - 4$$

$$= 55 - 4$$

$$= \underline{\underline{51}}$$



A. 41

~~B. 51~~

C. 71

D. 51

E. None of these



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Question 13- $(\overset{60}{\cancel{360}} + \overset{9}{\cancel{54}}) \div \cancel{6} - 10 = ?$

$$= 69 - 10$$

$$= \underline{\underline{59}}$$



A. 49

~~B. 59~~

C. 29

D. 39

E. None of these



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Question 16- 7600 + 3188 + 4463 = ?

$$\begin{array}{r} = 14000 \\ 1100 \\ 151 \\ \hline 15251 \end{array}$$



- A. 11251
- B. 13251
- C. 14251
- ~~D. 15251~~
- E. None of these



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Question 17- $666 \div 37 + 4572 - 2346 = ?$

$$\begin{array}{r} 3 \\ 11 \overline{) 37} \\ \underline{33} \\ 4 \end{array}$$

$$= 18 + 4572 - 2346$$

$$= 4590 - 2346$$

=



$$\textcircled{54}$$

90

144

~~A. 2244~~

B. 3344

C. 1144

D. 4444

E. None of these



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Question 18- $\frac{4}{13}$ of ~~16900~~¹³⁰⁰ + $\frac{5}{17}$ of ~~1700~~¹⁰⁰ - 37.5% of 400 = ?

$$= 5200 + 500 - 150$$

$$= \underline{\underline{5550}}$$

$$\frac{3}{8} \times 400$$



A. 4440

~~B. 5550~~

C. 4550

D. 3550

E. None of these



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Question 19- 20% of 1500 + 75% of 1200 – 40% of 500 = ?

प्रश्न 19- 1500 का 20% + 1200 का 75% – 500 का 40% = ?

$$= 300 + \frac{3}{4} \times 1200 - 200$$

$$= \underline{1000}$$



A. 1200

~~B. 1000~~

C. 1100

D. 1300

E. None of these



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Question 20- 20% of 45 × 50% of 20 × ? = 810

प्रश्न 3- 45 का 20% × 20 × का 50%? = 810

$$\frac{1}{5} \times 45 \times \frac{1}{2} \times 20 \times x = 810$$

$$x = 9$$



~~A. 9~~

B. 7

C. 8

D. 6

E. None of these



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Question 21- $(2.89)^6 \div (4913 \div 1000)^3 \times (0.17 \times 10)^5 = (1.7)^{x-5}$

$$\Rightarrow [17^2]^6 \div [17^3]^3 \times [1.7]^5 = (1.7)^{x-5}$$

$$\Rightarrow \frac{17^{12}}{17^9} \times 1.7^5 = (1.7)^{x-5} \Rightarrow 17^3 \times 1.7^5 = (1.7)^{x-5}$$

$$(1.7)^8 = (1.7)^{x-5}$$



$$x = 13$$

~~A. 13~~

B. 11

C. 8

D. 9

E. None of these



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Question 22- ¹/₄ 25% of 44 + 50% of 240 = ?% of 26200

प्रश्न 10- 44 का 25% + 240 का 50% = 26200 का ?%

$$11 + 120 = 262 \times x$$

$$x = \frac{131}{262} = \frac{1}{2}$$

$$x = 0.5$$

A. 0.1

B. 0.2

C. 0.5

D. 0.4

E. None of these



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