



SBI CLERK 2023



MATHS

MOCK TEST

PAPER - 6

EXAM से पहले इसे जरूर देखें।

LIVE 11:00 AM 





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Question 1- What will come in place of question mark in the given series.

प्रश्न 1- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

32, 22, 42, 12, 52, ?, 62

$$\begin{array}{ccccccc} & \underbrace{\hspace{1.5cm}} & \underbrace{\hspace{1.5cm}} & \underbrace{\hspace{1.5cm}} & \underbrace{\hspace{1.5cm}} & & \\ -10 & +20 & -30 & +40 & & & \end{array}$$

$$\begin{array}{l} 52 - 50 = 2 \\ = \mathbf{30} \end{array}$$

A. 40

B. 2

C. 36

D. 27

E. None of these



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Question 2- What will come in place of question mark in the given series.

प्रश्न 2- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

11, 23, 5, 29, ?, 35

$$11 + 12 = 23$$

$$23 - 18 = 5$$

$$5 + 24 = 29$$

$$29 - 30 = -1$$

30

A. 1

B. -1

C. 7

D. 3

E. 8



Question 3- What will come in place of question mark in the given series.

प्रश्न 3- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

16, 17, 26, 51, 100, ?

$$100 + 81 = \underline{\underline{181}}$$

$$\begin{array}{cccc} +1 & +9 & +25 & 49 \\ 1^2 & 3^2 & 5^2 & 7^2 \\ & & & 9^2 \rightarrow 81 \end{array}$$

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A. 111

B. 121

C. 131

D. 181

E. 171



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Question 4- What will come in place of question mark in the given series.

प्रश्न 4- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

11, 22, 88, 528, 4224, ?

$\times 2$ $\times 4$ $\times 6$ $\times 8$

$$4224 \times 10 = 42240$$

~~30~~

A. 21220

B. 42240

C. 41440

D. 43220

E. None of these



Question 5- What will come in place of question mark in the given series.

प्रश्न 5- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

$$70, 55, 75, 50, 80, ? \rightarrow \underline{45}$$
$$-15 \quad +20 \quad -25 \quad +30 \quad -35$$

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A. 55

B. 45

C. 65

D. 75

E. None of these



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Question 6- What will come in place of question mark in the given series.

प्रश्न 6- दी गई श्रृंखला में प्रश्न चिह्न के स्थान पर क्या आएगा?

9, 31, 61, 97, 137, ?

$$\begin{array}{l|l} 9 + 11 \times 2 = 31 & 97 + 8 \times 5 = 137 \\ 31 + 10 \times 3 = 61 & 137 + 7 \times 6 = 179 \\ 61 + 9 \times 4 = 97 & \end{array}$$

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- A. 119
- B. 129
- C. 179
- D. 188
- E. None of these



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$\Sigma = 26,000$
250%

GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	40,000	50%
Q	24,000	200%
R	60,000	400%
S /	36,000	250%



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Question 7- Find the number of female in R.

प्रश्न 7- R में महिलाओं की संख्या ज्ञात कीजिए।

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- A. 12,000
- B. 10,000
- C. 14,000
- D. 15,000
- E. None of these

GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	40,000	50%
Q	24,000	200%
R	60,000	400%
S	36,000	250%



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$$\textcircled{1} \quad 400\% = \frac{4^{\oplus} m=5}{\left. \begin{array}{l} \rightarrow \text{female} \end{array} \right\} \begin{array}{l} 6 = 60000 \\ 1 = 10000 \rightarrow \text{female} \\ \underline{\underline{m = 50000}} \end{array}$$



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$$\int = 36,000$$
$$250\%$$

Question 8- Find the average number of male in P and Q.

प्रश्न 8- P और Q में पुरुषों की औसत संख्या ज्ञात कीजिए।

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A. 22,300

B. 34,200

C. 17,000

D. 18,000

E. None of these

GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	27,000	50%
Q	24,000	<u>200%</u>
R	60,000	400%
S	36,000	250%



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$$\textcircled{1} P \Rightarrow 50\% = \frac{1^{\oplus}}{2 \rightarrow f} \quad m=3 \quad \left. \begin{array}{l} \Rightarrow 5 = 27,000 \\ 1 = 5400 \end{array} \right\} \begin{array}{l} m \quad 3 = 5400 \times 3 \\ = 16200 \end{array}$$

$$Q \Rightarrow 200\% = \frac{2^{\oplus}}{1 \rightarrow f} \quad m=3 \quad \left. \begin{array}{l} 4 = 24000 \\ 1 = 6000 \end{array} \right\} \begin{array}{l} m \quad 3 = 18000 \end{array}$$

$$\begin{aligned} \text{Average} &= \frac{16200 + 18000}{2} \\ &= \frac{34200}{2} \\ &= \underline{\underline{17100}} \end{aligned}$$



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$$S = 26,000$$

$$\% = 250\%$$

Question 9- Find the ratio between male in R and female in S.

प्रश्न 9- R में पुरुष और S में महिला के बीच का अनुपात ज्ञात कीजिए।

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- A. 21:4
- B. 25:3
- C. 25:4
- D. 25:31
- E. None of these

GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	27,000	50%
Q	24,000	200%
R	60,000	400%
S	36,000	250%



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$$\textcircled{1} \text{ Male } R = 50000$$

$$S \Rightarrow \frac{250}{100} = \frac{5}{2} \quad \left. \begin{array}{l} \textcircled{+} \\ n=7 \end{array} \right\} \begin{array}{l} g = 26000 \\ l = 4000 \\ f = 2 = 8000 \end{array}$$

$$\begin{aligned} \text{Ratio} &= 50000 : 8000 \\ &= \underline{\underline{25:4}} \end{aligned}$$



Question 10- The number of female in S is what percent of number of male in R.

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प्रश्न 10- S में महिलाओं की संख्या, R में पुरुषों की संख्या का कितना प्रतिशत है?

- A. 12%
- B. 26%
- C. 36%
- D. 16%
- E. None of these

GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	27,000	50%
Q	24,000	200%
R	60,000	400%
S	36,000	250%



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$$\begin{aligned} \textcircled{1} \quad \% &= \frac{8000}{50000} \times 100 \\ &= \underline{\underline{16\%}} \end{aligned}$$



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Question 11- If the total male and female in T is 40% more than the number of male in P. Find number of total population in T

प्रश्न 11- यदि T में कुल पुरुष और महिला P में पुरुषों की संख्या से 40% अधिक हैं, तो T में कुल जनसंख्या की संख्या ज्ञात कीजिये।

- A. 22,680
- B. 23,200
- C. 25,200
- D. 24,200
- E. None of these

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GROUP NAME	TOTAL MALE AND FEMALE	PERCENTAGE BY WHICH MALE ARE MORE THAN THE FEMALE
P	27,000	50%
Q	24,000	200%
R	60,000	400%
S	36,000	250%



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$$\textcircled{1} \text{ Mahi } P = 16200$$

$$\begin{aligned} T &= 140\% \text{ of } 16200 \\ &= \underline{\underline{22680}} \end{aligned}$$



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Question 12- Scheme P offered 80% simple interest while scheme Q offered 60% compound interest. Find the difference between the interest received by scheme P after 4 years and scheme Q after 2^{yr.} on a sum of Rs 40,000.

योजना P ने 80% साधारण ब्याज की पेशकश की जबकि योजना Q ने 60% चक्रवृद्धि ब्याज की पेशकश की। 40,000 रुपये की राशि पर योजना P द्वारा 4 वर्षों के बाद और योजना Q द्वारा 2 वर्ष के बाद प्राप्त ब्याज के बीच का अंतर ज्ञात कीजिये।

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A. Rs 55600

B. Rs 45600

C. Rs 65600

D. Rs 77600

E. None of these

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$$\textcircled{1} S.I = 80 \times 4$$

$$= 320\% \leftarrow$$

$$C.I - 2y = 156\% \leftarrow \text{Diff} = 164\%$$

$$\text{Diff} = 164\% \text{ of } 4000 \text{ ₹}$$

$$= \underline{\underline{65600 \text{ ₹}}}$$

$$\text{net \%} = x + y + \frac{xy}{100}$$

$$= 60 + 60 + \frac{60 \times 60}{100}$$

$$= 120 + 36$$

$$= 156\%$$



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Question 13- Ram and Shyam started a business by investing total Rs 60,000. After 8 months Shyam removed his investment and at the end of year there profit ratio was same. Find the 40% of the investment of Shyam.

प्रश्न 13- राम और श्याम ने कुल 60,000 रुपये का निवेश करके एक व्यवसाय शुरू किया। 8 महीने बाद श्याम ने अपना निवेश हटा दिया और वर्ष के अंत में लाभ अनुपात समान था। श्याम के निवेश का 40% ज्ञात कीजिये।

$$\text{Profit} = \text{Capital} \times \text{Time}$$

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A. Rs 18200

B. Rs 11200

C. Rs 19200

D. Rs 11200

E. None of these

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$$\textcircled{1} \text{ Ram} = x$$

$$\text{Shyam} = 60000 - x$$

$$x \times \frac{3}{2} = (60000 - x) \times \frac{2}{3}$$

$$3x = 120000 - 2x$$

$$5x = 120000$$

$$x = 24000$$

$$\begin{aligned} \text{Shyam} &= 60000 - 24000 \\ &= 36000 \text{ Rs.} \end{aligned}$$

$$\begin{aligned} 40\% \text{ of Shyam} &= 40\% \text{ of } 36000 \\ &= \underline{\underline{\text{₹}14400}} \end{aligned}$$



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Question 14- A person have type P and type Q article in ratio 5:7. He sold 60% of the type P and 60 article form Q then the ratio of remaining number of article in P and Q becomes 2:3. Find the total number of article initially.

प्रश्न 14- एक व्यक्ति के पास टाइप P और टाइप Q लेख 5: 7 के अनुपात में हैं। वह P प्रकार का 60% और Q में 60 वस्तुओं को बेचता है, तो P और Q में वस्तु की शेष संख्या का अनुपात 2: 3 हो जाता है। प्रारंभ में वस्तु की कुल संख्या ज्ञात कीजिए।

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A. 120

B. 140

C. 180

D. 210

E. None of these

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$$\textcircled{1} P = 5x$$

$$Q = 7x$$

$$\frac{40\% \text{ of } 5x}{7x - 60} = \frac{2}{3}$$

$$\frac{2x}{7x - 60} = \frac{2}{3}$$

$$3x = 7x - 60$$

$$4x = 60$$

$$x = 15$$

Initial no. of article

$$= (7x + 5x)$$

$$= 12 \times 15$$

$$= 180$$

180

$$40\% = \frac{2}{5}$$

$$5x \times \frac{2}{5} = 2x$$



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Question 15- Machine P prints 14,400 paper in 16 hours while machine Q prints 45,000 paper in 30 hours. Find the time taken by both machine to print 19,200 paper.

प्रश्न 15- मशीन P 16 घंटे में 14,400 पेपर प्रिंट करती है जबकि मशीन Q 30 घंटे में 45,000 पेपर प्रिंट करती है। दोनों मशीनों द्वारा 19,200 कागज मुद्रित करने में लिया गया समय ज्ञात कीजिए।

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A. 6 hours

B. 9 hours

C. 12 ours

~~D.~~ 8 hours

E. None of these

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$$\textcircled{1} P \text{ each hour} = \frac{14400}{16} = 900$$

$$Q \text{ " " } = \frac{45000}{30} = 1500$$

$$\begin{aligned} \text{Time} &= \frac{19200}{900 + 1500} \\ &= \frac{19200}{2400} = 8 \text{ Hours} \end{aligned}$$



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Question 16- P bought an article and sells to Q at 60% loss. Q sold it to R at 60% profit and R sold it to S for Rs 42,000 at 25% profit. Find the price at which P bought the article.

प्रश्न 16- P ने एक वस्तु खरीदी और Q को 60% हानि पर बेच दिया। Q ने इसे R को 60% लाभ पर बेचा और R ने इसे S को 25% लाभ पर 42,000 रुपये में बेच दिया। उस मूल्य का पता लगाएं जिस पर P ने वस्तु खरीदी थी।

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- A. Rs 20,000
- B. Rs 1,0000
- C. Rs 2,0000
- D. Rs 3,0000
- E. None of these

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① P Q R S

100 40 160% of 40
 \downarrow
 = 64
 \downarrow
 100%

$\frac{5}{4} \times 64$

$$\frac{5}{4} \times 64 = 42000$$

$$1 = \frac{42000}{80}$$

$$125\% = \frac{5}{4}$$

$$100 = \frac{42000}{80} \times 100$$

$$= \frac{4200000}{8} = \underline{\underline{752500}}$$

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Direct Interaction with me



Quiz



Polls



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