



SSC MTS 2022-23



MATHS

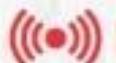
SESSION-I

MODEL PAPER

#8

जो बार-बार पूछे जाते हैं

SHORT TRICK से **SOLVE** करें



LIVE

| 03:45 PM

BY SUNIL MAHENDRAS





UPCOMING ONLINE BATCHES

MARCH 2023

01 MARCH 2023

10:30 AM to 12:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

15 MARCH 2023

08:00 AM to 10:00 AM

BANK ONLINE LIVE CLASS

BILINGUAL

22 MARCH 2023

02:00 PM to 04:00 PM

BANK ONLINE LIVE CLASS

English & Bengali



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SSC MTS and Hawaldar 2022

Application Received 5473969



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The value of (मान क्या है)

$$3 \times 7 + 5 - \underline{6 \div 3} - 9 + 45 \div 5 \times 4 - 45 \text{ is:}$$

$$21 + 5 - 2 - 9 + 9 \times 4 - 45$$

$$\begin{matrix} 21 + 5 - 2 - 9 \\ \swarrow \quad \searrow \end{matrix} = 6 \cancel{+} \cancel{-} \cancel{+} \cancel{-} \cancel{+} \cancel{-}$$



B
O
D
M
A
S

- a) 9
- b) 6
- c) 7
- d) 36



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A TV was available for Rs. 14,500. The price came down to Rs. 11,890 during the Diwali sale. What is the percentage discount?

एक TV (टेलीविज़न) 14,500 रुपये में उपलब्ध था। दिवाली सेल के दौरान मूल्य घटकर 11,890 रुपये हो गया। प्रतिशत छूट क्या है?

$$\text{Dis} \% = \frac{\text{Discount}}{\text{M.R.P}} \times 100$$

$$\text{Discount} = 14500 - 11890 = 2610$$


$$\frac{2610}{14500} \times 100 = 18\%$$

a) 19.56%

b) 19%

c) 18%

d) 17.6%



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A person crosses a 1600 m long street in 4 min. What is his speed (in km/h)?

एक व्यक्ति 1600 मीटर लंबी सड़क को 4 मिनट में पार करता है। उसकी गति (किमी/घंटा में) कितनी है?

$$\begin{aligned} \text{Speed} &= \frac{\text{Distance}}{\text{Time}} \\ &= \frac{1600}{4 \times 60} \times \frac{3}{5} \\ &= 24 \text{ kmph} \end{aligned}$$



- a) 22 km/h
- b) 14 km/h
- c) 20 km/h
- d) 24 km/h



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If the average of two numbers is 13 and the square root of their product is 12, then the difference between the numbers is:

यदि दो संख्याओं का औसत 13 है और उनके गुणनफल का वर्गमूल 12 है, तो संख्याओं के बीच का अंतर क्या है?

$$\frac{a+b}{2} = 13, \quad a+b = 26$$

$$(a-b)^2 = (a+b)^2 - 4ab$$

$$(a-b)^2 = 26^2 - 4 \times 144$$

$$= 676 - 576$$

$$= 100$$

$$\sqrt{ab} = 12$$

$$ab = 144$$

$$a = 18 \\ b = 8$$

a) 10

b) 18

c) 8

d) 12



SSC MTS 2022-23



A 725 m long train passes a tunnel 235 m long in 48 seconds. Find the speed of the train.

एक 725 मीटर लंबी ट्रेन 48 सेकंड में 235 मीटर लंबी सुरंग को पार करती है। ट्रेन की गति ज्ञात कीजिये।

$$\text{Speed} = \frac{725 + 235}{48}$$

The diagram illustrates the total distance traveled by the train as the sum of its length and the tunnel's length. A horizontal line represents the ground. On the left, a circular speedometer-like gauge shows the number '20'. To the right, a train is shown passing through a tunnel. The train is divided into segments: the front part is labeled '725', the middle part is labeled '235', and the rear part is labeled 'S'. Above the train, arrows point from '725' to '960' and from '235' to '482', indicating the addition of these two values. Below the train, an arrow points from '960' to 'X 18', indicating multiplication by 18. This multiplication results in the value '182', which is then added to '482' to get the final result '722'. The entire calculation is summarized as '722 Kmph'.

- a) 42 km/h
- b) 72 km/h
- c) 36 km/h
- d) 100 km/h



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Find the value of

$$45 - 3 \times (4 \text{ of } 6 + 12 \div 3 \times 6 - 4 \times 5) + 6.$$

$$\Rightarrow 45 - 3(24 + 4 \times 6 - 20) + 6$$

$$\Rightarrow 45 - 3(24 + 24 - 20) + 6$$

$$\Rightarrow 45 - 3 \times 28 + 6$$

$$= 45 - 84 + 6$$

$$= 51 - 84$$



B ✓
C ✓
D ✓
E ✓
F ✓
G ✓

- a) -45
- b) -135
- c) -33
- d) -30



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A chair is sold for Rs. 720 after giving a discount of 10% on its marked price. The cost price of the chair is Rs. 640. If it is sold at the marked price, then the profit percentage will be:

एक कुर्सी को उसके अंकित मूल्य पर 10% की छूट देकर 720 रुपये में बेचा जाता है। कुर्सी का क्रय मूल्य 640 रुपये है। यदि इसे अंकित मूल्य पर बेचा जाता है, तो लाभ प्रतिशत क्या होगा?

$$MP = \frac{80}{\cancel{120}} \times 100 = 800$$


$$CP = 640$$
$$\text{Marked Price} = 800 - 640$$
$$= 160$$
$$25$$

$$P\% = \frac{160}{640} \times 100$$

a) 30%

b) 20%

c) 18%

d) 25%



SSC CHSL 2022-23



Holi Special

MATHS

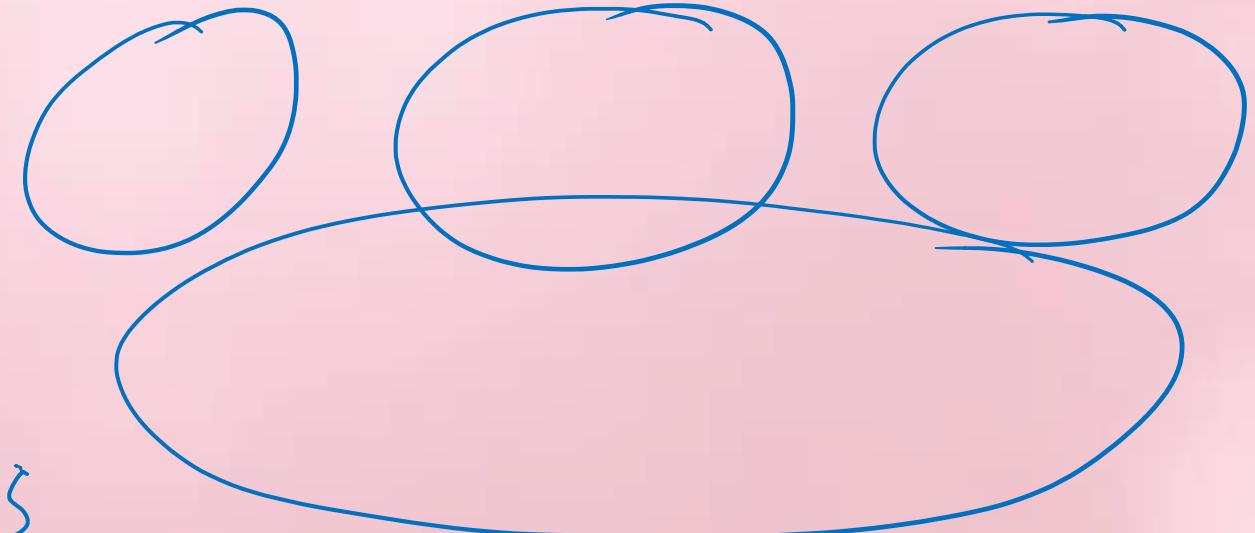
महा� MOCK TEST TARGET 50/50

BY SUNIL MAHENDRAS



• LIVE | 08:30 PM





3. US TTS
8:30 am