



SBI PO 2023



MATHS

MOST EXPECTED

PAPER - 10

तैयारी करने का सही समय

LIVE

11:00 AM





Question 9- Ratio of the cost price of table and chair is 5 : 6. If the shopkeeper sold the table at 20% profit and chair at 30% profit and discount offer of 20% and 35 % on table and chair respectively , Then what is the ratio of the marked price of table and chair ?

9 -

5 : 6

20%

30%

20%

35%

?

30

A- 5:7

B- 6:7

C- 7:8

D- 5:8

E- none of these

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Question 10- Three circle of radius 4 cm each touches each other externally. Find the area enclosed by three circle.

10 - 4

-

30

A- $(10\sqrt{3} - 8\pi) \text{ cm}^2$

B- $(12\sqrt{3} - 8\pi) \text{ cm}^2$

C- $(16\sqrt{3} - 8\pi) \text{ cm}^2$

D- $(18\sqrt{3} - 8\pi) \text{ cm}^2$

E- none of these





- A- 200 km
- B- 380 km
- C- 400 km
- D- 350 km
- E- none of these

Question 1- The total time taken by the boat to go 'y' km upstream and then return back to a certain distance is 6 hours. The ratio of the speed boat in still water to the speed of the stream is 3 : 1, respectively. If the upstream distance covered is 50 km more than the downstream distance covered and the boat can cover $(3y + 60)$ km in still water in 8 hours, then find the value of 'y'

1 -

'y'

6

3 : 1 .

50

$(3y + 60)$

8

,

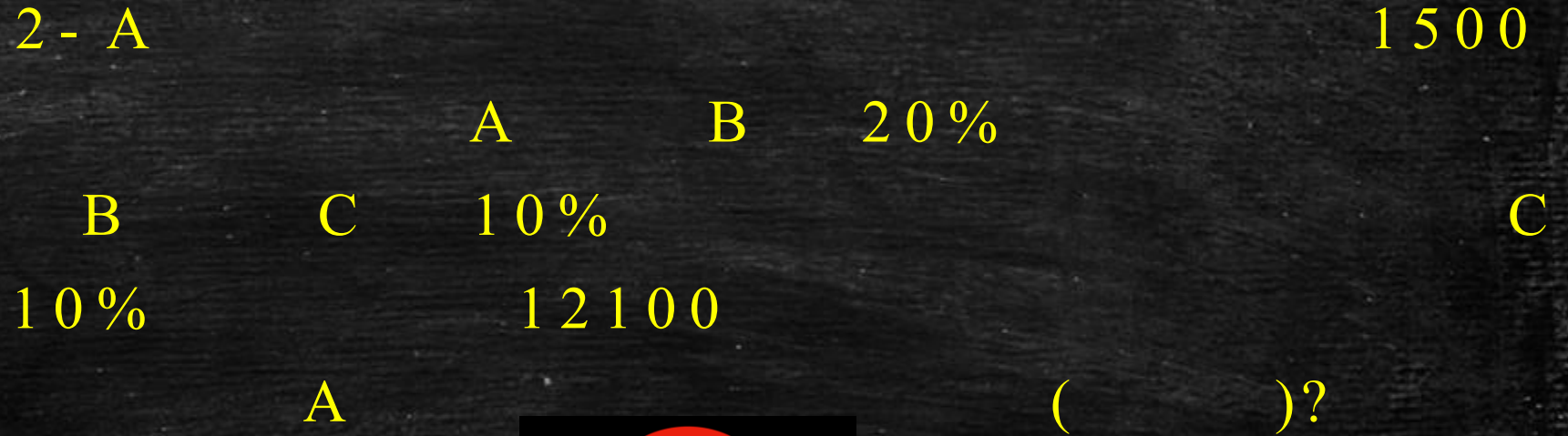
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Question 2- A bought an article and spent Rs. 1500 on its repairs. Then A sold it to B at a profit of 20%. B sold it to C at a loss of 10%. C finally sold it for Rs. 12100 at a profit of 10%. How much did A pay for the old Honda Bike (approximately)?

- A- Rs 8685
- B- Rs 7665
- C- Rs 3485
- D- Rs 8865
- E- Rs 8886









Question 6- The difference between the compound interest (compounded annually) and simple interest on a sum of money deposited for 2 years at 13% per annum is Rs. 21.97. What is the sum of money deposited?

6 - 13 %

2

()

21.97

?



- A- Rs 1100
- B- Rs 2100
- C- Rs 3100
- D- Rs 1300
- E- none of these



Question 7-A vessel contains mixture of Water and milk in the ratio 2 : 1. 24 liters of mixture is removed and replaced with water and the final ratio becomes 4 : 1. What is the amount of milk in the initial Mixture?

7 -

24

2 : 1

4 : 1

?

A- 10 L

B- 12 L

C- 16 L

D- 20 L

E- None of these







Question 8- P started the business with the investment of Rs. 72000. Q and R joined him with some investments after 3 and 6 months. The profit is divided in the ratio of 2 : 3 : 5 at the end of the year . Find the sum of the investment made by B and C in the business?

8 - P 72000

Q R 3 6

2 : 3 : 5

B

C

? A- Rs 80,000

B- Rs 90,000

C- Rs 45,000

D- Rs 75,000

E- none of these

30





Question 9-A car can travel 20% faster than a bus. Both start from point A at the same time and reach point B 75 kilo meter away from A at the same time. On the way, however, the car lost about 12.5 minutes while stopping at the stops. The speed of the bus is

20 %

A

A 75

B

,

,

12.5

?



A- 50 km/h

B- 40 km/h

C- 80 km/h

D- 90 km/h

E- none of these





Question 10- A car can travel a distance of 1140 Km in 19 hours. Speed of a scooter is 50% less than the speed of the car and speed of a bullock cart is 15 Km/h less than the speed of the scooter . Find the respective ratio of the time taken by bullock cart and scooter to cover a distance of 450 km

10 -

19

1140

50%

15 /

450

30

A- 2:1

B- 1:2

C- 2:3

D- 3:2

E- none of these





Question 11- A bag contains 6 oranges, 5 sweet and $(y+4)$ apple. If two fruits are taken at random and the probability of getting both are oranges is $1/14$, then find the value of y .

11 - 6 , 5 (y+4)

1/14 , y

A- 35

B- 6

C- 7

D- 8

E- none of these

30





Question 12- 3, 6, 23, 150, ?, 14666

A- 1224

B- 1335

C- 1135

D- 1154

E- 2231

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