108 DAYS ONLINE COACHING TEST FOR MISSION 2021-(DAY 58)-[26/08/2021~THURSDAY]

BOAT & SPEED

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NAME OF THE CANDIDATE (PLEASE ENTER YOUR FULL NAME) *

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PLEASE ENTER YOUR WHAT'S APP NO(JOINED IN THE SAI EDN OCT KERALA GROUP) *

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PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY BEFORE SENDING THE ANSWERS

https://youtu.be/8EYcdFyAqfU

Q.1. Speed of boat in still water is 16 km/hr. If the speed of the stream is 4 km/hr, find its downstream and upstream speeds *   1 point

○ 15,5

◉ 20,12

○ 10,18

○ 10,6

Q.2. A man can row downstream at 18 km/hr and upstream at 12 km/hr. Find his speed in still water and the rate of the current. *   1 point

○ 16,3

○ 16,4

◉ 15,3

○ 15,4

Q.3. A man swims downstream 28 km in 4 hrs and upstream 12 km in 3 hrs. Find his speed in still water and also the speed of the current. *   1 point

◉ 5.5, 1.5

○ 5,1

○ 5.5, 2.5

○ 5,2

Q.4. The speed of river Ganga is 5 km/hr. A motor boat travels 28 km upstream and then returns downstream to the starting point. If its speed in still water be 9 km/hr, find the total journey time. *   1 point

○ 8 hr

◉ 9 hr

○ 10 hr

○ 7 hr

Q.5. A boat running downstream covers a distance of 30 kms in 2 hrs. While coming back the boat takes 6 hrs to cover the same distance. If the speed of the current is half that of the boat, what is the speed of the boat? *   1 point

○ 12 km/hr

○ 8 km/hr

○ 9 km/hr

◉ 10 km/hr

Q.6. A man rows 24 km upstream in 6 hours and a distance of 35 km downstream in 7 1 point
hours. Then the speed of the man in still water is *

◉ 4.5 km/hr

○ 4 km/hr

○ 5 km/hr

○ 5.5 km/hr

Q.7. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream 1 point
is 4 km/hr, find the time taken by the boat to go 68 km downstream. *

○ 5 hr

◉ 4 hr

○ 2 hr

○ 3 hr

Q.8. A man's speed with the current is 15 km/hr and the speed of the current is 2.5 1 point
km/hr. The man's speed against the current is: *

○ 8.5 km/hr

○ 9 km/hr

◉ 10 km/hr

○ 12.5 km/hr

Q.9. A motorboat, whose speed in 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is: * 1 point

○ 4

◉ 5

○ 6

○ 10

Q.10. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is: * 1 point

○ 3 km/hr

○ 5 km/hr

◉ 8 km/hr

○ 9 km/hr

Q.11. A boat running downstream covers a distance of 16 km in 2 hours while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water? * 1 point

○ 4 km/hr

◉ 6 km/hr

○ 8 km/hr

○ 10 km/hr

Q.12. The speed of a boat in still water in 15 km/hr and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is: *

1 point

- ◯ 1.2 km
- ◯ 1.8 km
- ◯ 2.4 km
- ⬤ 3.6 km

Q.13. A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it takes him 1 hour to row to a place and come back, how far is the place? *

1 point

- ⬤ 2.4 km
- ◯ 3 km
- ◯ 2.5 km
- ◯ 3.6 km

Q.14. Speed of a boat in standing water is 9 kmph and the speed of the stream is 1.5 kmph. A man rows to a place at a distance of 105 km and comes back to the starting point. The total time taken by him is: *

1 point

- ◯ 16 hours
- ◯ 18 hours
- ◯ 20 hours
- ⬤ 24 hours

Q.15. A boat takes 28 hours for travelling downstream from point A to point B and coming back to point C midway between A and B. If the velocity of the stream is 6 km/hr and the speed of the boat in still water is 9 km/hr, what is the distance between A and B? *

1 point

○ 115 kms

◉ 120 kms

○ 140 kms

○ 165 kms

Q.16. Speed of a man in still water is 5 km/hr and the river is running at 3km/hr. The total time taken to go to a place and come back is 10 hours. What is the distance travelled? *

1 point

○ 10 kms

○ 16 kms

○ 24 kms

◉ 32 kms

Q.17. A boat covers a certain distance downstream in 2 hour, while it comes back in 2 1/2 hours. If the speed of the stream be 5 kmph, what is the speed of the boat in still water? *

1 point

○ 40 kmph

○ 30 kmph

◉ 45 kmph

○ 35 kmph

Q.18. A boat running downstream covers a distance of 40 km in 5 hrs and for covering 1 point the same distance upstream it takes 10 hrs. What is the speed of the stream? *

○ 5 km/hr

◉ 2 km/hr

○ 6 km/hr

○ 8 km/hr

Q.19. A boat goes 4 km against the current of the stream in 1 hour and goes 1 km 1 point along the current in 10 minutes. How long will it take to go 15 km in stationary water? *

○ 2 hours

○ 2 hours 15 mins

◉ 3 hours

○ 3 hours 15 mins

Q.20. A man rows to a place 40 km distant and come back in 9 hours. He finds that he 1 point can row 5 km with the stream in the same time as 4 km against the stream. The rate of the stream is: *

◉ 1 km/hr

○ 1.5 km/hr

○ 2 km/hr

○ 2.5 km/hr

YOUR ANSWERS ARE SUBMITTED SUCCESSFULLY. PLEASE CHECK YOUR MAIL TO VIEW YOUR RESPONSE SHEET. THANK YOU!!!