108 DAYS ONLINE COACHING TEST FOR MISSION 2021-(DAY 6)-[05-01-2021~TUESDAY]

BOAT AND SPEED

NAME OF THE CANDIDATE *

M4 ▼

PLACE OF THE CANDIDATE *

PATHANAMTHITTA ▼

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https://youtu.be/8EYcdFyAqfU

1. A boat goes 30 km downstream in 75 minutes and the same distance upstream in 90 minutes. Then the speed of the stream is: *   1 point

- ⦿ 2
- ○ 3
- ○ 4
- ○ 6

2. A boat having a length 3m and breadth 2m is floating on a lake. The boat sinks by 1 cm when a man gets into it. The mass of the man is: *   1 point

- ○ 50 kg
- ⦿ 60 kg
- ○ 70 kg
- ○ 80 kg

3. Speed of a boat in still water is 9km/hr. It goes 12 km down stream and comes back to the starting point in three hours. What is the speed of water in the stream? *   1 point

- ◉ 3 km/hr
- ◯ 4 km/hr
- ◯ 4.5 km/hr
- ◯ 5 km/hr

4. The speed of a boat when travelling downstream is 32 km/hr, whereas when travelling upstream it is 28 km/hr, what is the speed of the boat in still water and the speed of the stream(in km/hr)? *   1 point

- ◉ 30, 2
- ◯ 15, 4
- ◯ 28, 3
- ◯ 32, 6

5. A man takes 3 hours 45 minutes to row a boat 15 km downstream of a river and 2 hours 30 minutes to cover a distance of 5 km upstream. Find the speed of the river current in km/hr? *   1 point

- ◯ 4
- ◯ 2
- ◯ 3
- ◉ 1

6. The speed of a motor boat and that of the current of water as 36:5. The boat goes along with the current in 5 hours 10 minutes. How much time will it take to come back? *

1 point

○ 5 5/6 h

⦿ 6 5/6 h

○ 7 5/6 h

○ 2 5/6 h

7. A man can row 6 km/hr in still water. It takes him twice as long to row up as to row down the river. Find the rate of stream? *

1 point

○ 4 km/hr

○ 3 km/hr

○ 1 km/hr

⦿ 2 km/hr

8. There is a road beside a river. Two friends started from a place A, moved to a temple situated at another place B and then returned to A again. One of them moves on a cycle at a speed of 12km/hr, while the other sails on a boat at a speed of 10 km/hr. If the river flows at the speed of 4km/hr, which of the two friends will return to place A first? *

1 point

⦿ Cyclist

○ Sailer in the boat

9. A man can row 7 1/2 kmph in still water. If in a river running at 1.5km an hour, it takes   1 point
him 50 minutes to row to a place and back, how far off is the place? *

⚪ 9 km

⚪ 7 km

🔘 3 km

⚪ 6 km

10. A boat goes 8 km upstream and then returns. Total time taken is 4 hrs 16 minutes.   1 point
If the velocity of current is 1 km/hr, find the actual velocity of the boat? *

🔘 4 km/hr

⚪ 6 km/hr

⚪ 8 km/hr

⚪ 5 km/hr

11. A boatman rows to a place 45km distant and back in 20 hours. He finds that he can   1 point
row 12km with the stream in the same time as 4km against the stream. Find the speed
of the stream? *

⚪ 9 km/hr

⚪ 4 km/hr

🔘 3 km/hr

⚪ 6 km/hr

12. A man can row 40km upstream and 55km downstream in 13 hours. Also, he can row 30 km upstream and 44 km downstream in 10 hours. Find the speed of the man in still water? *

1 point

◉ 8 kmph

○ 11 kmph

○ 7 kmph

○ 6 kmph

13. A boat goes 8 km in one hour along the stream and 2 km in one hour against the stream. The speed in km/hr of the stream is: *

1 point

○ 2

◉ 3

○ 4

○ 5

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

1 point

○ 3

○ 5

◉ 8

○ 9

15. A man rows downstream 32 km and 14km upstream. If he takes 6 hours to cover each distance, then the velocity(in kmph) of the current is: *   1 point

○ 1/2

○ 1

◉ 1 1/2

○ 2

16. A person can swim in water with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, what will be the time taken by the person to go 68 km downstream? *   1 point

○ 2.5 hours

○ 3 hours

○ 3.5 hours

◉ 4 hours

17. In one hour, a boat goes 13 km/hr in the direction of the stream and 7 km/hr against the direction of the stream. What will be the speed of the boat in still water? *   1 point

○ 8

◉ 10

○ 14

○ 6

18. A woman can row upstream at 16 km/hr and downstream at 26 km/hr. What is the speed of the stream? *   1 point

○ 5 ◉

○ 2

○ 4.5

○ 1

19. A speedboat, whose speed in 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. What is the speed of the stream in km/hr? *   1 point

○ 2.5

○ 3.5

○ 4

◉ 5

20. A boat is moving 2 km against the current of the stream in 1 hour and moves 1 km in the direction of the current in 10 minutes. How long will it take the boat to go 5 km in stationary water? *   1 point

○ 1 hr 20 minutes

○ 1 hr 30 minutes

◉ 1 hr 15 minutes

○ 30 minutes

21. 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? *

○ 2 hours

○ 3 hours

◉ 4 hours

○ 5 hours

22. 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

○ 9

◉ 10

○ 10.5

23. 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

○ 4

○ 5.5

○ 5

24. A boat goes 12 km upstream in 48 minutes. The speed of stream is 2 km/hr. The speed of boat in still water is *   1 point

○ 15

○ 16

◉ 17

○ 18

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

○ 3

○ 5

◉ 8

○ 9

THANK YOU!!!

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