

108 DAYS ONLINE COACHING DAY(23) - 05/03/2020 THURSDAY

Boats and Stream



Name of the candidate *

Place of the candidate *

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE)

Please watch the following videos and answer the questions that follow

<https://youtu.be/8EYcdFyAqfU>

1. Speed of a boat along the flow of river is 36 km/hr and still water speed of the boat is 32 km/hr. What is the speed of the boat against the flow of water * 1 point

- 28km/hr
- 26km/hr
- 27km/hr
- 25km/hr

2. Speed of the boat against the flow of river is 28.9km/hr and rate of flow is 3.1km/hr.What is the downstream speed. * 1 point

- 34.1km/hr
- 34km/hr
- 35.1km/hr
- 35km/hr

3. Speed of the boat along the flow of river is 35.1km/hr.Speed of the boat against the flow of river is 28.7km/hr.What is the still water speed. * 1 point

- 31km/hr
- 31.9km/hr
- 30km/hr
- 30.1km/hr

4. A man can row upstream at 8 km/hr and downstream at 13 km/hr. The speed of the stream is * 1 point

- 2km/hr
- 2.5km/hr
- 3km/hr
- 3.5km/hr

5. The rates in upstream and downstream of a swimmer are 10km/hr and 13 km/hr. Then the speed of the current is * 1 point

- [1.km/hr](#)
- 1.5km/hr
- 0.5km/hr
- 2km/hr

6. Ariver is running at a rate of 5.9km/hr and still water speed of a boat is 38.1km/hr. Find the upstream speed of the boat. * 1 point

- 32km/hr
- 32.1km/hr
- 32.2km/hr
- 32.3km/hr

7. A man takes 6 hours to complete a distance of 36km in downstream. He takes 5 hours to complete a distance of 25 km in upstream . How long will he take to complete a distance of 22km in still water. *

1 point

- 2 hrs
- 3 hrs
- 4 hrs
- 5 hrs

8. A man takes 7 hrs to complete a distance 77kms in downstream. The sametime taken to complete a distance 63 kms in upstream . HOw long will he take to complete a distance 50 km in still water. *

1 point

- 3hr
- 4hr
- 5 hr
- 6 hr

9. Find the speed of the boat if it takes 3 hrs to travel a distance of 90 kms upstream and speed of the stream is 4km/hr *

1 point

- 31km/hr
- 32km/hr
- 33km/hr
- 34km/hr

10. Find the distance covered by the boat upstream if it travels for 2 hrs. Speed of the stream is 7 km/hr and that of the boat is 57 km/hr. * 1 point

- 80km
- 90km
- 100km
- 110km

11. What is the time taken by the boat to travel 120km upstream and back to the starting point if the speed of the stream is 25km/hr and the speed of the stream is 5km/hr. * 1 point

- 6 hr, 4 hr
- 10 hr, 2 hr
- 3 hrs, 4 hrs
- 7 hrs, 8 hrs

12. A man rows upstream 16 km and downstream 28 km taking 5 hrs each time, then the velocity of the current is * 1 point

- 1km/hr
- 1.5km/hr
- 1.2km/hr
- 1.6km/hr

13. Up stream speed of a boat is 20km/hr and down stream speed of the same is 30km/hr.What is the difference between the normal speed of the boat and average speed of the journey. *

1 point

- 24km/hr
- 25km/hr
- 1 km/hr
- 2 km/hr

14.Upstream speed of a boat is 12km/hr.Downstream speed is 18km/hr.What is the difference between normal speed of the boat and average speed of the journey. *

1 point

- 1km/hr
- 0.4km/hr
- 0.6km/hr
- 0.8km/hr

15.A man takes twice as long to row up as to row down the river . If the river is running at rate of 3 km/hr, find the still water speed of the boat. *

1 point

- 6km/hr
- 7km/hr
- 8 km/hr
- 9km/hr

16. A man takes thrice times as long to row up as to row down the river. If the river is running at a rate of 4 km/hr, find the still water speed of the boat. * 1 point

- 6km/hr
- 7km/hr
- 8km/hr
- 9km/kr

17. A man takes 5 times as long to row up as to row down the river. If the still water speed of the boat is 25km/hr, what is the rate of flow. * 1 point

- 16..66km/hr
- 16km/hr
- 15km/hr
- 15.6km/hr

18. Still water speed of a boat is 10 km/hr and rate of flow is 2 km/hr. A man completed a distance 48 kms and came back to the starting point . Find the total time taken by him. * 1 point

- 6hrs
- 7 hrs
- 9 hrs
- 10 hrs

19. A man takes 9 hrs to complete a distance upstream and same distance covered in downstream in 6 hrs. If the rate of flow is 3 km/hr, find the still water speed of the boat. 1 point

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- 13km/hr
- 14km/hr
- 15km/hr
- 16km/hr

20. Speed of river is 6 km/hr. Speed of a motorboat in still water is 30km/hr. How much distance can it cover downstream in 24minutes? 1 point

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- a. 9.8 km
- b. 864 m
- c. 12.8 km
- d. 14.4 km

21. A boat's speed in still water is 10 km/h while river is flowing with speed of 2 km/h and time to cover a certain distance upstream is 4 h more than time taken to cover the same distance downstream. Find the distance. 1 point

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- 95 km
- 96km
- 97km
- 98km

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

- A. 2 hours
- B. 3 hours
- C. 4 hours
- D. 5 hours

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

- A. 8.5 km/hr
- B. 9 km/hr
- C. 10 km/hr
- D. 12.5 km/hr

24. A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and speed of the water current respectively? * 1 point

- A. 2 : 1
- B. 3 : 2
- C. 8 : 3
- D. Cannot be determined
- E. None of these

25. The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is: * 1 point

- A. 1.2 km
- B. 1.8 km
- C. 2.4 km
- D. 3.6 km

Thankyou!!!

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