108 DAYS ONLINE COACHING - DAY 24 - (27-09-2019)

BOAT AND SPEED



NAME OF THE CANDIDATE *

M4 -

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO (JOINED IN THE SAI EDUCATION COACHING PLATFORM) *

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https://youtu.be/8EYcdFyAqfU

1. 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

\bigcirc	2 h
0	3 h
	4 h

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

3. A boat running downstream covers a distance of 16 km in 2 hours while for ^{1 point} covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water(km/h)? *



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

- 1.2 km
 2.4 km
 1.8 km
- 🧿 3.6 km

5. A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it ^{1 point} takes him 1 hour to row to a place and come back, how far is the place(km)? *

2.4
2.6
3.4

3.6

6. A boat covers a certain distance downstream in 1 hour, while it comes back in 1 $^{1 \text{ point}}$ hours. If the speed of the stream be 3 kmph, what is the speed of the boat in still water(km/h)? *

12
15
14

13

7. A boatman goes 2 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 5 km in stationary water? *

40 min
 1 hour
 1 hour 15 min

1 hour 30 min

8. Speed of a boat in standing water is 9 kmph and the speed of the stream is 1.5 ^{1 point} 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: *

18 h
20 h
22 h
24 h

9.A man takes twice as long to row a distance against the stream as to row the same ^{1 point} distance in favour of the stream. The ratio of the speed of the boat (in still water) and the stream is: *

2:1
3:1
3:2
4:3

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

0	3	
0	5	
	8	
\bigcirc	9	

11. A man can row upstream at 8 km/h and downstream at 13 km/h. The speed of the 1 point stream (in km/h)is; *

2.5
4.2
5

) 10.5

12.A certain boat downstream covers a distance of 16 km in 2 hours downstream ^{1 point} while covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water(in km/h)? *



13.The speed of a boat in still water is 10 km/hr. If it can travel 26 km downstream ^{1 point} and 14 km upstream in the same time, the speed of the stream(in km/h)is: *



14. A man rows 24 km upstream in 6 hours and a distance of 35 km downstream in 7 $^{1 \text{ point}}$ hours. Then the speed of the man in still water(in km/h)is *

4.5
4
5
5.5

15. A boat goes 12 km upstream in 48 minutes. The speed of stream is 2 km/hr. The ^{1 point} speed of boat in still water (in km/h)is *

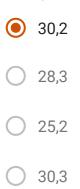


) 16

17

) 18

16. The speed of the boat when traveling downstream is 32 km/hr. whereas when ^{1 point} traveling upstream it is 28 km/hr. What is the speed of the boat in still water and the speed of the stream? *



17. A boat take 8 hours to cover a distance while traveling upstream, whereas while ^{1 point} traveling downstream it takes 6 hours. If the speed of the current is 4 km/hr. What is the speed of the boat in still water(in km/h)? *

18. In one hour, a boat goes 14 km/hr along the stream and 8 km/hr against the ^{1 point} stream. The speed of the boat in still water (in km/hr) is: *

12
11
10

8

19. The speed of a boat in still water in 22 km/hr and the rate of current is 4 km/hr. ^{1 point} The distance travelled (in km) downstream in 24 minutes is: *

\bigcirc	9.4
0	10.2
	10.4

9.2

20. A boat can travel with a speed of 22 km/hr in still water. If the speed of the ^{1 point} stream is 5 km/hr, find the time taken by the boat to go 54 km downstream *

5h
4h
3h
2h

21. A boat running downstream covers a distance of 22 km in 4 hours while for ^{1 point} covering the same distance upstream, it takes 5 hours. What is the speed of the boat in still water(in km/h)? *



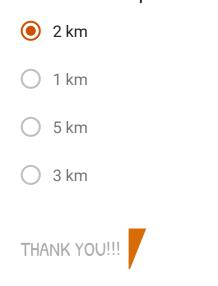
22.If a man can row a boat in 18 km/h in still water and he can row twice the speed 1 point in downstream than upstream. Then what will be the speed of the stream(in km/h)?
6
9
4

3

23. If a man can row a boat at 20 km/h in still water and he can row thrice the speed $^{1\ point}$ in downstream than upstream. Then what will be the speed of the stream(in km/h)?

24. A man can row a boat to a certain distance upstream in 4 hours and take 3 hour ^{1 point} to row downstream the same distance.What is the speed of boat in still water(in km/h),if the speed of stream is 2 km/h?*

25. A man can row a boat at 6 km/h in still water and speed of the current is 2 ^{1 point} km/h. If he takes 45 minutes to row the boat to a place and back. Find the distance between the two places? *



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