108 Days Online Coaching Day (56)~06/10/2020, Tuesday

BOAT AND SPEED

Name of the candidates *

M1

Place of the candidates *

KOZHIKODE

WhatsApp number (Joined in sai education Coaching Platform) *

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QUESTIONS

Please watch the online classes and answer the following questions.
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

○ A. 2 hours

○ B. 3 hours

◉ C. 4 hours

○ D. 5 hours

2) 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/h

3) 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 km/hr
- ◉ 10 km/hr
- ○ 14 km/hr
- ○ 6 km/hr

4) 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 km/hr
- ○ 2 km/hr
- ○ 4.5 km/hr
- ○ 21 km/hr

5) 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

6) A man takes 20 minutes to row 12 km upstream which is a third more than the time he takes on   1 point
his way downstream. What is his speed in still water? *

○ A. 41 km/hr

○ B. 36 km/hr

◉ C. 42 km/hr

○ D. 45 km/hr

7)How long will it take to row 20 km upstream if one can row 10 km in 10 minutes in still water   1 point
and the same distance in 8 minutes with the stream? *

○ A. 12 min

○ B. 13.33 min

○ C. 24 min

◉ D. 26.67 min

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

○ A. 15 km/hr

◉ B. 17 km/hr

○ C. 18km/hr

○ D. 16 km/hr

9)A boatman can row 2 km against the stream in 20 minutes and return in 10 minutes. Find the rate of flow of the current. * — 1 point

- ⦿ 3 km/hr
- ◯ 4 km/hr
- ◯ 5 km/hr
- ◯ 6 km/hr

10)A man can row 30 km upstream in 6 hours. If the speed of the man in still water is 6 km/hr, find how much he can row downstream? * — 1 point

- ⦿ 70 km
- ◯ 100 km
- ◯ 150 km
- ◯ 200 km

11)If a boat goes 7 km upstream in 42 minutes and the speed of the stream is 3 kmph, then the speed of the boat in still water is * — 1 point

- ⦿ 13 kmph
- ◯ 16 kmph
- ◯ 11 kmph
- ◯ 20 kmph

12) A boat takes 4 hours for travelling downstream from point A to point B aild coming back to point A upstream. If the velocity of the stream is 2 kmph and the speed of the boat in still water is 4 kmph, what is the distance between A and B? *   1 point

○ 7 km

○ 8 km

○ 9 km

◉ 6 km

13)If a man can swim downstream at 6 kmph and upstream at 2 kmph, his speed in still wateris? *   1 point

○ 3 kmph

◉ 4 kmph

○ 2 kmph

○ 1 kmph

14)A man rows 750 m in 675 seconds against the stream and returns in 7 and half minutes. His rowing speed in still water is: *   1 point

○ 6 kmph

○ 9 kmph

◉ 5 kmph

○ 8 kmph

15)A man can row a boat at 10 kmph in still water. If the speed of the stream is 6 kmph, the time   1 point
taken to row a distance of 80 km down thestream is *

○ 2 hours

◉ 5 hours

○ 6 hours

○ Option 4

16)If anshul rows 15 km upstream and 21 km downstream taking 3 hours each time, th'en the speed   1 point
of the stream is *

○ 2 kmph

◉ 1 kmph

○ 10 kmph

○ 22 kmph

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

◉ 3.6 km

○ 1.5 km

○ 2 km

○ 3 km

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

○ 7 km/hr

◉ 8 km/hr

○ 5 km/hr

○ 9 km/hr

19) In one hour, a boat goes 11km along the stream and 5 km against it. Find the speed of the boat 1 point
in still water? *

◉ 8

○ 4

○ 5

○ 6

20) A man can row upstream 10 kmph and downstream 20 kmph. Find the man rate in still water 1 point
and rate of the stream. *

◉ 15,5

○ 9,5

○ 12,5

○ 10,5

THANK YOU!