APTITUDE QUIZ

1. 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:

A. 8.5 km/hr

B. 10 km/hr

C. 12.5 km/hr

D. 9 km/hr

2. 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:

A. 10

B. 6

C. 5

D. 4

3. In one hour, a boat goes 14 km/hr along the stream and 8 km/hr against the stream. The speed of the boat in still water (in km/hr) is:

A. 12 km/hr

B. 11 km/hr

C. 10 km/hr

D. 8 km/hr

4. A man rows to a place 48 km distant and come back in 14 hours. He finds that he can row 4 km with the stream in the same time as 3 km against the stream. The rate of the stream is:

A. 1 km/hr.

B. 2 km/hr.

C. 1.5 km/hr.

D. 2.5 km/hr.

5. A boatman goes 2 km against the current of the stream in 2 hour and goes 1 km along the current in 20 minutes. How long will it take to go 5 km in stationary water?

A. 2 hr 30 min

B. 2 hr

C. 4 hr

D. 1 hr 15 min

6. Speed of a boat in standing water is 14 kmph and the speed of the stream is 1.2 kmph. A man rows to a place at a distance of 4864 km and comes back to the starting point. The total time taken by him is:

A. 700 hours

B. 350 hours

C. 1400 hours

D. 1010 hours

7. The speed of a boat in still water in 22 km/hr and the rate of current is 4 km/hr. The distance travelled downstream in 24 minutes is:

A. 9.4 km

B. 10.2 km

C. 10.4 km

D. 9.2 km

8. A boat covers a certain distance downstream in 1 hour, while it comes back in 11/2 hours. If the speed of the stream be 3 kmph, what is the speed of the boat in still water?

A. 14 kmph

B. 15 kmph

C. 13 kmph

D. 12 kmph

9. 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?

A. 5 : 6

B. 6 : 5

C. 8 : 3

D. 3 : 8

10. A boat can travel with a speed of 22 km/hr in still water. If the speed of the stream is 5 km/hr, find the time taken by the boat to go 54 km downstream

A. 5 hours

B. 4 hours

C. 3 hours

D. 2 hours

11. A boat running downstream covers a distance of 22 km in 4 hours while for covering the same distance upstream, it takes 5 hours. What is the speed of the boat in still water?

A. 5 kmph

B. 4.95 kmph

C. 4.75 kmph

D. 4.65

12. A man takes twice as long to row a distance against the stream as to row the same distance in favour of the stream. The ratio of the speed of the boat (in still water) and the stream is:

A. 3 : 1

B. 1 : 3

C. 1 : 2

D. 2 : 1

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?

A. 3.2 km

B. 3 km

C. 2.4 km

D. 3.6 km

14. A man can row three-quarters of a kilometre against the stream in 111/4 minutes and down the stream in 71/2minutes. The speed (in km/hr) of the man in still water is:

A. 4 kmph

B. 5 kmph

C. 6 kmph

D. 8 kmph

15. A boat takes 90 minutes less to travel 36 miles downstream than to travel the same distance upstream. If the speed of the boat in still water is 10 mph, the speed of the stream is:

A. 4 mph

B. 2.5 mph

C. 3 mph

D. 2 mph

16. Tap 'A' can fill the tank completely in 6 hrs while tap 'B' can empty it by 12 hrs. By mistake, the person forgot to close the tap 'B', As a result, both the taps, remained open. After 4 hrs, the person realized the mistake and immediately closed the tap 'B'. In how much time now onwards, would the tank be full?

A. 2 hours

B. 4 hours

C. 5 hours

D. 1 hour

17. A Cistern is filled by pipe A in 8 hrs and the full Cistern can be leaked out by an exhaust pipe B in 12 hrs. If both the pipes are opened in what time the Cistern is full?

A. 12 hrs

B. 24 hrs

C. 16 hrs

D. 32 hrs

18. In a river flowing at 2 km/hr, a boat travels 32 km upstream and then returns downstream to the starting point. If its speed in still water be 6 km/hr, find the total journey time.

A. 10 hours

B. 12 hours

C. 14 hours

D. 16 hours

19. Two pipes A and B can fill a tank in 10 hrs and 40 hrs respectively. If both the pipes are opened simultaneously, how much time will be taken to fill the tank?

A. 8 hours

B. 6 hours

C. 4 hours

D. 2 hours

20. A boat covers a certain distance downstream in 4 hours but takes 6 hours to return upstream to the starting point. If the speed of the stream be 3 km/hr, find the speed of the boat in still water

A. 15 km/hr

B. 12 km/hr

C. 13 km/hr

D. 14 km/hr

ANSWERS

1. B

2. C

3. B

4. A

5. A

6. A

7. C

8. B

9. C

10. D

11. B

12. A

13. C

14. B

15. D

16. B

17. B

18. B

19. A

20. A