

## **APTITUDE QUIZ**

### **Important Questions of Boat and Stream**

**Q 1 : A man rows to a place 35 km in distance and back in 10 hours 30 minutes. He found that he can row 5 km with the stream in the same time as he can row 4 km against the stream. Find the rate of flow of the stream?**

- (A) 1.33 km/hr
- (B) 1.5 km/hr
- (C) 1 km/hr
- (D) 0.75 km/hr

**Q 2 : A boat moves downstream at the rate of 1 km in minutes and upstream at the rate of 5 km an hour. What is the speed of the boat in the still water?**

- (A) 4 km/hour
- (B) 3 km/hour
- (C) 8 km/hour
- (D) km/hour

**Q 3 : A motorboat, whose speed is 45 km./hr. in still water goes 180 km. downstream and comes back in a total of 9 hours. The speed of the stream (in km/hr.) is-**

- (A) 12
- (B) 21
- (C) 18
- (D) 10
- (E) 15

**Q 4 : If the speed of a boat in still water is 20 km/hr and the speed of the current is 5 km/hr, then the time taken by the boat to travel 100 km with the current is :**

- (A) 4 hr

- (B) 7 hr
- (C) 2 hr
- (D) 3 hr

**Q 5 :** A man rows 12 km in 5 hours against the stream and the speed of current being 4 kmph, What time will be taken by him to row 15 km with the stream?

- (A) 1 hour minutes
- (B) 1 hour minutes
- (C) 1 hour minutes
- (D) 1 hour minutes

**Q 6 :** Ratio of time taken by a sailor to cover some distance upstream and downstream is 4 : 1. If speed of stream is 4.5 km/hr. Then find out speed of boat?

- (A) 8.5 km / hr
- (B) 9.5 km / hr
- (C) 7.5 km / hr
- (D) 8 km / hr

**Q 7 :** A man can row at a speed of km/hr in still water. If he takes 2 times as long to row a distance upstream as to row the same distance downstream, then the speed of stream (in km/hr) is :

- (A) 2
- (B) 2.5
- (C) 1
- (D) 1.5

**Q 8:** The speed of a boat downstream is 15 km/hr. and the speed of current is 3 km/hr. Find the total time taken by the boat to cover 15 km upstream and 15 km downstream.

- (A) 3 hours 10 minutes
- (B) 2 hours 30 minutes
- (C) 2 hours 40 minutes
- (D) 2 hours 42 minutes

**Q 9 :** If a sailer sails 12 km distance within 5 hours against the flow of a river. If he sails 22 km distance in same time along the flow of the river. Then velocity of the river is \_\_\_\_\_

- (A) 1 km / hour
- (B) 2 km / hour
- (C) 1.5 km / hour
- (D) 2.5 km / hour

**Q 10 :** A man goes downstream with a boat to some destination and returns upstream to his original place in 5 hours. If the speed of the boat in still water and the stream are 10 km/hr and 4 km/hr respectively, the distance of the destination from the starting place is :

- (A) 21 km
- (B) 25 km
- (C) 16 km
- (D) 18 km

**Q 11 :** A boat goes 75 km upstream in 3 hours and 60 km downstream in 1.5 hours. Then the speed of the boat in still water is:

- (A) 65 kmph
- (B) 60 kmph
- (C) 32.5 kmph
- (D) 30 kmph

**Q 12 :** Ratio between speed of boat in still water to speed of stream is 7 : 2. If 126 km is travelled downstream in 3.5 hours then find the difference between speed of boat in still water to speed of stream(in kmph)?

- (A) 15
- (B) 22
- (C) 24
- (D) 20
- (E) 18

**Q 13 : A boat rows downstream covers a distance of 20 km in 2 hrs while it covers the same distance upstream in 5 hrs. Then speed of the boat in still water is :**

- (A) 9 km/ hr
- (B) 10 km/ hr
- (C) 7 km/ hr
- (D) 8 km/ hr

**Q 14 : The water in a river is flowing at a rate of 4 km/hr. If the width and depth of the river are 8m and 4m respectively, then how much water will enter the sea in 15 minutes?**

- (A)
- (B)
- (C)
- (D)

**Q 15 : A man can row 30 km downstream and return in a total of 8 hours. If the speed of the boat in still water is four times the speed of the current, then the speed of the current is:**

- (A) 1 km/hr
- (B) 2 km/hr
- (C) 4 km/hr
- (D) 3 km/hr

**Q 16 : The speed of the motorboat in still water is 45 kmph. If the motorboat travels 80 km along the stream in 1 hour 20 minutes, then the time taken by it to cover the same distance against the stream will be:**

- (A) 2 hrs, 40 min
- (B) 2 hrs, 55 min
- (C) 3 hrs
- (D) 1 hrs, 20 min

**Q 17 : The distance between AB is 174 km. Two Boats Start moving towards each other at the same time at points A and B respectively. One in upstream and other**

in downstream. If their speed in still water is 9.6 km/ hr. and 19.4 km/ hr. respectively. Then in how much time they will meet.

- (A) 4.5 hr.
- (B) 6 hr.
- (C) 9 hr.
- (D) 7 hr.

**Q 18 :** A man swims downstream distance of 15 km in 1 hour. If the speed of the current is 5 km/ hr, the time taken by the man to swim the same distance upstream is :

- (A) 1 hr 30 min
- (B) 45 min
- (C) 2 hr 30 min
- (D) 3 hrs

**Q 19 :** A boat covers 24 km upstream and 36 km downstream in 6 hours, while it covers 36 km upstream and 24 km downstream in hours. The speed of the current is:

- (A) 1.5 km/ hr
- (B) 2.5 km/ hr
- (C) 1 km/ hr
- (D) 2 km/ hr

**Q 20 :** A man can row in still water. If a river running at 1.5 km an hour, it takes him 50 minutes to row to a place and back, how far off is the place?

- (A) 3 km
- (B) 4 km
- (C) 5 km
- (D) 8 km

**ANSWER**

1. D
2. D
3. E
4. A
5. B
6. C
7. D
8. C
9. A
10. A
11. C
12. D
13. C
14. B
15. B
16. A
17. B
18. D
19. D
20. A