APTITUDE QUIZ

Q1 : 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

Q2 : 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

Q3 : 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

Q4 : 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

Q5 : 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

Q6 : 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?

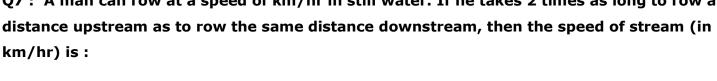(A) 8.5 km / hr

(B) 9.5 km / hr

(C) 7.5 km / hr

(D) 8 km / hr

Q7 : 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

Q8 : 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

Q9 : 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

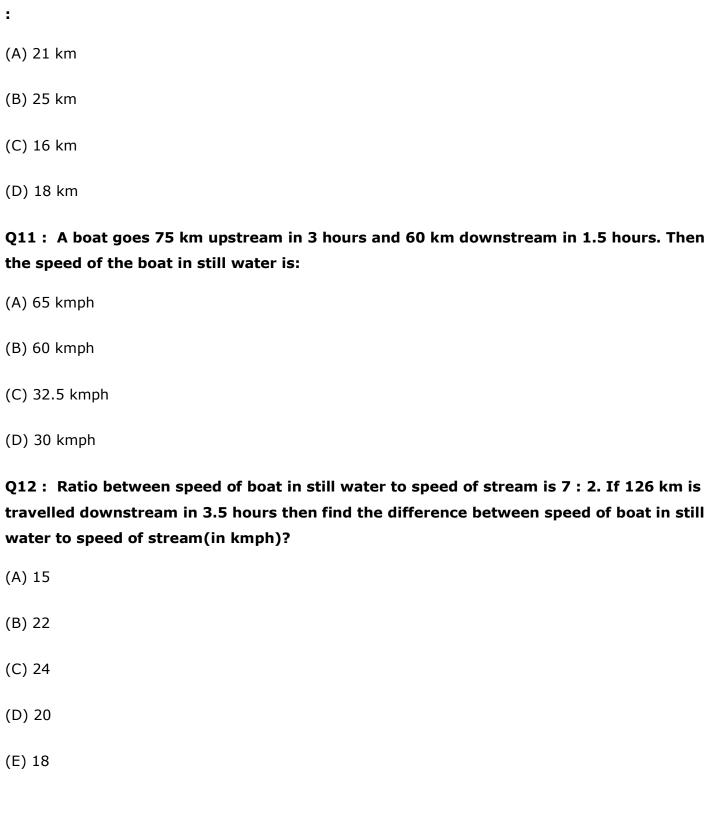(C) 1.5 km / hour

(D) 2.5 km / hour

Q10 : 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

Q11 : 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

Q12 : 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

Q13 : 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

Q14 : 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)

Q15 : 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

Q16 : 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:

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(A) 2 hrs, 40 min

(B) 2 hrs, 55 min

(C) 3 hrs

(D) 1 hrs, 20 min

Q17 : 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.

Q18 : 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

Q19 : 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

Q20 : 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

Q21 : The speed of the current is 5 km / hour. A motorboat goes 10 km upstream and back again to the starting point in 50 minutes. The speed (in km / hour) of the motorboat in still water is:

(A) 20

(B) 26

(C) 25

(D) 28

Q22 : The speed of a boat in still water is 10 km/hr. It covers (upstream) a distance of 45 km in 6 hours. The speed (in km/hr) of the stream is :

(A) 3.5 km/h

(B) 4 km/h

(C) 2.5 km/h

(D) 3 km/h

Q23 : A motorboat can travel at 10 km/hr. in still water it travelled 91 km downstream in a river and then returned taking at together 20 hours. Find the rate of flow of the river

(A) 5 km/hr

(B) 8 km/hr

(C) 3 km/hr

(D) 6 km/hr

Q24 : A boat travels 24 km upstream in 6 hours and 20 km downstream in 4 hours. Then the speed of boat in still water and the speed of current are respectively.

(A) 4 kmph and 3 kmph

(B) 4.5 kmph and 0.5 kmph

(C) 4 kmph and 2 kmph

(D) 5 kmph and 2 kmph

Q25 : A boat goes 12 km downstream and comes back to the starting point in 3 hours. If the speed of the current is 3 km/hr, then the speed (in km/hr) of the boat in still water is :
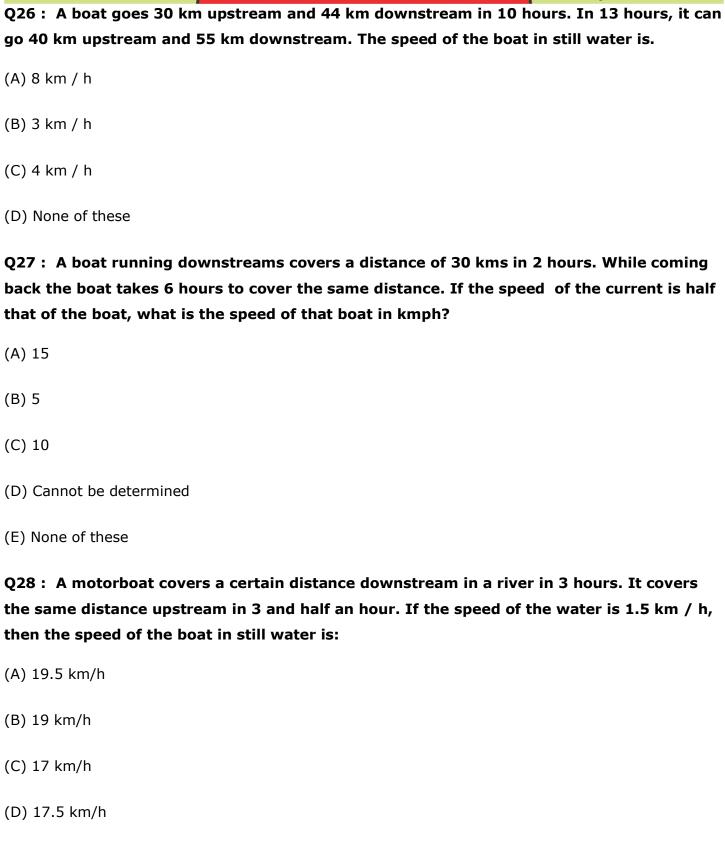
(A) 8 km/ h

(B) 6 km/ h

(C) 12 km/ h

(D) 9 km/ h

Q26 : A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours, it can go 40 km upstream and 55 km downstream. The speed of the boat in still water is.

(A) 8 km / h

(B) 3 km / h

(C) 4 km / h

(D) None of these

Q27 : A boat running downstreams covers a distance of 30 kms in 2 hours. While coming back the boat takes 6 hours to cover the same distance. If the speed of the current is half that of the boat, what is the speed of that boat in kmph?

(A) 15

(B) 5

(C) 10

(D) Cannot be determined

(E) None of these

Q28 : A motorboat covers a certain distance downstream in a river in 3 hours. It covers the same distance upstream in 3 and half an hour. If the speed of the water is 1.5 km / h, then the speed of the boat in still water is:

(A) 19.5 km/h

(B) 19 km/h

(C) 17 km/h

(D) 17.5 km/h

Q29 : A boat takes half time in moving a certain distance downstream than upstream. what is the ratio between the rate in still water and the rate of current?

(A) 2 : 1

(B) 3 : 1

(C) 1 : 2

(D) 1 : 3

Q30 : In one hour, a boat goes 11 km along the stream and 5 km against the stream. The speed of the boat in still water (in km/hr) is :

(A) 2

(B) 4

(C) 8

(D) 9

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

21.C

22.C

23.C

24.B

25.D

26.A

27.C

28.A

29.B

30.C