1. A boat covers 24 km upstream and 36 km downstream in 6 hours while it covers 36 km upstream and 24 km downstream in 6 hours. The velocity of the current is:
   A. 1.5 km/hr
   B. 1 km/hr
   C. 2 km/hr
   D. 2.5 km/hr
   ANSWER: C

2. A man can row downstream at 14 km/hr and upstream at 9 km/hr. Man's rate in still water is:
   A. 5 km/hr
   B. 23 km/hr
   C. 11.5 km/hr
   D. none of these
   ANSWER: C

3. A boat goes 40 km upstream in 8 hours and 36 km downstream in 6 hours. The speed of the boat in standing water is:
   A. 6.5 km/hr
   B. 6 km/hr
   C. 5.5 km/hr
   D. 5 km/hr
   ANSWER: C

4. The speed upstream be 1 km/hr, then speed of the stream is:
   A. 1.5 km/hr
   B. 3 km/hr
   C. 1 km/hr
   D. none of these
   ANSWER: C

5. If a man's rate with the current is 12 km/hr and the rate of the current is 1.5 km/hr, then man's rate against the current is:
   A. 9 km/hr
   B. 6.75 km/hr
   C. 5.25 km/hr
   D. 7.5 km/hr
   ANSWER: A

6. The current of a stream runs at 1 km/hr. A motor boat goes 35 km upstream and back again to the starting point in 12 hours. The speed of motorboat in still water is
   A. 6 km/hr
B. 7 km/hr  
C. 8.5 km/hr  
D. 8 km/hr  
ANSWER : A

7. Speed of a boat in standing water is 6 km/hr and the speed of the stream is 1.5 km/hr A man rows to a place at a distance of 22.5 km and comes back to the starting point. The total time taken by him:
A. 6 hrs 30 min.  
B. 8 hrs 24 min.  
C. 8 hrs  
D. 4 hrs 12 min.  
ANSWER : C

8. A man can swim 3 km/hr in still water. If the velocity of the stream be 2 km/hr, the time taken by him to swim to place 10 km upstream and back, is:
A. 8 hrs  
B. 2 hrs  
C. 10 hrs  
D. 12 hrs  
ANSWER : D

9. A boat moves upstream at the rate of 1 km in 10 minutes and downstream at the rate of 1 km in 6 minutes. The speed of the current is:
A. 1 km/hr  
B. 1.5 km/hr  
C. 2 km/hr  
D. 2.5 km/hr  
ANSWER : B

10. If a man rows at 5 km/hr in still water and 3.5 km/hr against the current, his rate along the current is:
A. 8.5 km/hr  
B. 6.5 km/hr  
C. 6 km/hr  
D. 4.25 km/hr  
ANSWER : B

11. A man can row at 5 km/hr in still water and the velocity of current is 1 km/hr. It takes him 1 hour to row to a place and back. How far is the place:
A. 2.5 km  
B. 2.4 km  
C. 3 km
D. 3.6 km
ANSWER : B

12. A man can row with the stream at 11 km/hr and against the stream at 8 km/hr. The speed of the stream is:
A. 3 km/hr
B. 9.5 km/hr
C. 1.5 km/hr
D. 6 km/hr
ANSWER : C

13. A man rows to a place 48 km distant and 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. 0.5 km/hr
B. 1 km/hr
C. 3.5 km/hr
D. 1.8 km/hr
ANSWER : B

14. The speed of a boat downstream is 15 km/hr and the speed of the stream is 1.5 km/hr. The speed of the boat upstream is:
A. 13.5 km/hr
B. 16.5 km/hr
C. 12 km/hr
D. 8.25 km/hr
ANSWER : C

15. A man rows upstream 16 km and downstream 28 km, taking 5 hours each time. The velocity of the current is:
A. 2.4 km/hr
B. 1.2 km/hr
C. 3.6 km/hr
D. 1.8 km/hr
ANSWER : B

16. A man can row 9 km/hr in still water and he finds that it takes him thrice as much time to row up than as to row down the same distance in river. The speed of the current is:
A. 3 km/hr
B. 3 km/hr
C. 1 km/hr
D. 4 km/hr
ANSWER : D
17. A man can row three quarters of a kilometer against the stream in 11 minutes and return in 7 minutes. The speed of the main still water is:
A. 2 km/hr
B. 3 km/hr
C. 4 km/hr
D. 5 km/hr
ANSWER: A

18. A boat travels upstream from B to A and downstream from A to B in 3 hours. If the speed of the boat in still water is 9 km/hr and the speed of the current is 3 km/hr, the distance between A and B is:
A. 4 km
B. 6 km
C. 8 km
D. 12 km
ANSWER: D

19. The current of a stream runs at the rate of 4 km an hour. A boat goes 6 km and back to the starting point in 2 hours. The speed of the boat in still water is:
A. 6 km/hr
B. 7.5 km/hr
C. 8 km/hr
D. 6.8 km/hr
ANSWER: C

20. 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
Answer: B

21. 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
Answer: C
22. 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
   Answer: B

23. 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.
   Answer: A

24. 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
   Answer: A

25. 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
   Answer: A

26. 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
   Answer: C
27. A boat covers a certain distance downstream in 1 hour, while it comes back in 1½ 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
Answer: B

28. 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
Answer: C

29. 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
Answer: D

30. 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 kmph
Answer: B

31. 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
Answer: A
32. 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  
Answer : C

33. A man can row three-quarters of a kilometre against the stream in $11\frac{1}{4}$ minutes and down the stream in $7\frac{1}{2}$ minutes. The speed (in km/hr) of the man in still water is:
A. 4 kmph  
B. 5 kmph  
C. 6 kmph  
D. 8 kmph  
Answer : B

34. 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  
Answer : D

35. 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  
Answer : B

36. 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
37. 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  
   Answer: B

38. 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  
   Answer: A

39. 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  
   Answer: A

40. If a man rows at the rate of 5 kmph in still water and his rate against the current is 3 kmph, then the man’s rate along the current is:
   A. 5 kmph  
   B. 7 kmph  
   C. 12 kmph  
   D. 8 kmph  
   Answer: B

41. A man can row 8 km/hr in still water. If the river is running at 3 km/hr, it takes 3 hours more in upstream than to go downstream for the same distance. How far is the place?
   A. 32.5 km  
   B. 25 km  
   C. 27.5 km
42. A man can row 4 kmph in still water. If the river is running at 2 kmph it takes 90 min to row to a place and back. How far is the place?
   A. 2 km
   B. 4 km
   C. 5 km
   D. 2.25 km
   Answer: D

43. At his usual rowing rate, Rahul can travel 12 miles downstream in a certain river in 6 hours less than it takes him to travel the same distance upstream. But if he could double his usual rowing rate for his 24-mile round trip, the downstream 12 miles would then take only one hour less than the upstream 12 miles. What is the speed of the current in miles per hour?
   A. 213 mph
   B. 113 mph
   C. 123 mph
   D. 223 mph
   Answer: D

44. A man can row 40 kmph in still water and the river is running at 10 kmph. If the man takes 1 hr to row to a place and back, how far is the place?
   A. 16.5 kmph
   B. 12.15 kmph
   C. 2.25 kmph
   D. 18.75 kmph
   Answer: D

45. A boatman can row 96 km downstream in 8 hr. If the speed of the current is 4 km/hr, then find in what time will be able to cover 8 km upstream?
   A. 6 hr
   B. 2 hr
   C. 4 hr
   D. 1 hr
   Answer: B

46. The speed of a boat in still water is 10 km/hr. If it can travel 78 km downstream and 42 km upstream in the same time, the speed of the stream is
A. 3 km/hr  
B. 12 km/hr  
C. 1.5 km/hr  
D. 4.4 km/hr  
Answer: A

47. A man can row at a speed of 12 km/hr in still water to a certain upstream point and back to the starting point in a river which flows at 3 km/hr. Find his average speed for total journey.  
A. 1234 km/hr  
B. 1134 km/hr  
C. 1214 km/hr  
D. 1114 km/hr  
Answer: D

48. A boatman can row 3 km against the stream in 20 minutes and return in 18 minutes. Find the rate of current  
A. $\frac{1}{2}$ km/hr  
B. 1 km/hr  
C. $\frac{1}{3}$ km/hr  
D. $\frac{2}{3}$ km/hr  
Answer: A

49. A boat takes 38 hours for travelling downstream from point A to point B and coming back to point C midway between A and B. If the velocity of the stream is 4 kmph and the speed of the boat in still water is 14 kmph, what is the distance between A and B?  
A. 240 km  
B. 120 km  
C. 360 km  
D. 180 km  
Answer: C