

APTITUDE QUIZ

Q1. Speed of a boat in still water is 8 km/h. If time taken by boat to cover a distance of 18 km upstream and 18 km downstream together is 6 hours. Find the speed of water current.

- (a) 4 km/h
- (b) 2 km/h
- (c) 3 km/h
- (d) 5 km/h
- (e) 1 km/h

Q2. The ratio between downstream and upstream speed of a boat is 5 : 3. Find the ratio of speed of boat in still water to that of speed of current.

- (a) 2 : 1
- (b) 3 : 1
- (c) 4 : 1
- (d) 3 : 2
- (e) 5 : 2

Q3. Time taken by a boat to cover upstream distance is 4 hours more than that to cover downstream distance between two points A and B. If speed of boat in still water is 6 km/h and speed of current is 2 km/h, find distance between A and B.

- (a) 36 km

- (b) 32 km
- (c) 24 km
- (d) 40 km
- (e) 20 km

Q4. A man can row three quarters of a kilometer against the stream in $45/4$ min. and returns in $15/2$ min. with the stream. The speed of the man in still water is.

- (a) 2 km/h
- (b) 3 km/h
- (c) 4 km/h
- (d) 5 km/h
- (e) 8 km/h

Q5. A boatman goes to 2 km against the current of the stream in 1 h and goes 1 km along the current in 10 min. How much time it will take to cover 5 km in still water?

- (a) 1 h
- (b) 1 h 15 min
- (c) $3/2$ h
- (d) 40 min
- (e) None of these

Q6. The current of the stream is 1 km/hr. A boat goes 35 km upstream and comes back to the starting point in 12 hrs. Find the speed of the motor boat in still water.

- (a) 6 km/h
- (b) 7 km/h
- (c) 8.5 km/h
- (d) 8 km/h
- (e) 11.5 km/h

Q7. The ratio between speed of a motor boat in still water to the speed of current is 3 : 1. The downstream speed is what percent more than the upstream speed?

- (a) 120%
- (b) 90%
- (c) 100%
- (d) 150%
- (e) 105%

Q8. Time taken by a swimmer going upstream and downstream is 6 h and 3 h respectively between two points A and B. If distance between A to B is 24 km, then find the speed of man in still water and speed of stream are respectively.

- (a) 6 km/h, 2 km/h
- (b) 12 km/h, 4 km/h
- (c) 8 km/h, 3 km/h

- (d) 7 km/h, 4 km/h
- (e) 6 km/h, 3 km/h

Q9. A man swimming in a stream which flows $3/2$ km/h, finds that in a given time he can swim twice with the stream as he can swim against it. Find the speed of man in still water.

- (a) $11/2$ km/h
- (b) $9/2$ km/h
- (c) $15/2$ km/h
- (d) Can't be determined
- (e) $13/2$ km/h

Q10. If ratio between upstream speed and downstream speed of a steamer is 2 : 5 and time taken by it covering a distance of 20 km upstream is 4 h more than that in downstream then find the speed of steamer in still water.

- (a) $25/4$ km/h
- (b) $23/2$ km/h
- (c) $13/4$ km/h
- (d) $21/4$ km/h
- (e) $17/4$ km/h

Directions (11-15): Simplify the following problems and find the value of?

Q11. ?% of 50 + 25% of 444 = 202

- (a) 182
- (b) 122
- (c) 142
- (d) 162
- (e) 172

Q13. $1425 + 8560 + 1680 \div 200 = ?$

- (a) 58.325
- (b) 9973.4
- (c) 56.425
- (d) 9939.4
- (e) 9993.4

Q14. $75\% \text{ of } 1240 = 35\% \text{ of } 1560 + ?$

- (a) 394
- (b) 384
- (c) 456
- (d) 364
- (e) 374

Q15. $555.05+55.50+5.55+5+0.55= ?$

- (a) 634.85
- (b) 655.75
- (c) 621.65
- (d) 647.35
- (e) 631.65

ANSWERS

- 1. A
- 2. C
- 3. B
- 4. D
- 5. B
- 6. A
- 7. C
- 8. A
- 9. B
- 10. D
- 11. A
- 12. A

13. E

14. B

15. C

