1. The speed of a motor boat is 31.47 m/sec and the speed of a stream is 23.47 m/sec. A & B are two location adjacent to a stream. If it takes 636.96 sec to go from point A to B and come back, What is the distance between A and B?

   (i) 4446.99 m (ii) 4447.99 m (iii) 4448.99 m (iv) 4445.99 m (v) 4449.99 m

2. A train covers a certain distance at a speed of 10.67 m/sec in 41.93 sec. If it travels at 11.00 m/sec, in what time it covers the same distance ?

   (i) 41.66 sec (ii) 39.66 sec (iii) 38.66 sec (iv) 40.66 sec (v) 42.66 sec

3. If the speed of a vehicle is 10.97 kmph, how much distance will it travel in 33.24 hr?

   (i) 363.64 km (ii) 364.64 km (iii) 365.64 km (iv) 362.64 km (v) 366.64 km

4. The distance between two places X and Y is 286.07 m. Two persons A and B start simultaneously at X and Y at speeds of 14.39 m/sec and 9.29 m/sec respectively. Find the meeting point away from X where they meet each other if they are travelling in opposite direction.

   (i) 175.84 m (ii) 173.84 m (iii) 172.84 m (iv) 171.84 m (v) 174.84 m

5. A train travels some distance at a speed of 7.27 m/sec for 18.03 sec, some more distance at a speed of 2.30 m/sec for 44.96 sec and the remaining distance at a speed of 12.78 m/sec for 23.01 sec. What is the total distance covered?

   (i) 526.56 m (ii) 529.56 m (iii) 528.56 m (iv) 530.56 m (v) 527.56 m

6. If a train travels 331.34 m in 20.29 sec, how much distance it covers in 17.17 sec?

   (i) 280.39 m (ii) 279.39 m (iii) 281.39 m (iv) 282.39 m (v) 278.39 m

7. A train crosses a telegraph post in 25.49 sec and a bridge 1697.96 m long in 67.25 sec. What is the length of the train?

   (i) 1034.42 m (ii) 1037.42 m (iii) 1038.42 m (iv) 1035.42 m (v) 1036.42 m

8. The distance between two places X and Y is 463.89 m. Two persons A and B start simultaneously at X and Y at speeds of 17.29 m/sec and 11.72 m/sec respectively. Find the meeting point away from X where they meet each other if they are travelling in same direction.

   (i) 1437.97 m (ii) 1440.97 m (iii) 1441.97 m (iv) 1438.97 m (v) 1439.97 m

9. A motor boat can move at a speed of 16.62 m/sec in still water. If it goes upstream for 214.79 sec, it travels a distance of 2760.00 m. What is the speed of the stream?

   (i) 4.77 m/sec (ii) 1.77 m/sec (iii) 2.77 m/sec (iv) 3.77 m/sec (v) 5.77 m/sec

10. If a vehicle travels 508.50 km in 45.16 hr, what is the speed of the vehicle?

    (i) 12.26 kmph (ii) 9.26 kmph (iii) 11.26 kmph (iv) 10.26 kmph (v) 13.26 kmph

11. A motor boat can move at a speed of 9.83 m/sec in still water. If it goes downstream for 81.78 sec, it travels a distance of 1477.00 m. What is the speed of the stream?

    (i) 7.23 m/sec (ii) 6.23 m/sec (iii) 10.23 m/sec (iv) 8.23 m/sec (v) 9.23 m/sec

12. If a train covers a certain distance at a speed of 13.73 m/sec in 26.31 sec, what should be the speed to cover the same distance in 37.69 sec?

  (i) 10.58 m/sec   (ii) 8.58 m/sec   (iii) 9.58 m/sec   (iv) 11.58 m/sec   (v) 7.58 m/sec

13. The speed of a motor boat is 22.33 m/sec and the speed of a stream is 15.33 m/sec. A & B are two location adjacent to a stream. If the distance between A and B is 4608.00 m, how much time will it take to go from A to B and back to A?

  (i) 779.65 sec   (ii) 780.65 sec   (iii) 782.65 sec   (iv) 781.65 sec   (v) 778.65 sec

14. In how much time will a train A of length 225.96 m travelling at a speed of 4.94 m/sec will cross another train B of length 112.26 m travelling in the opposite direction at a speed of 2.35 m/sec?

  (i) 48.40 sec   (ii) 46.40 sec   (iii) 44.40 sec   (iv) 45.40 sec   (v) 47.40 sec

15. A motor boat can travel at a speed of 26.14 m/sec downstream and 5.32 m/sec upstream. How much distance can the boat travel in 27.07 sec in still water?

  (i) 423.81 m   (ii) 426.81 m   (iii) 424.81 m   (iv) 425.81 m   (v) 427.81 m

16. A motor boat can travel at a speed of 9.40 m/sec downstream and 2.88 m/sec upstream. What is the speed of the motor boat in still water?

  (i) 8.14 m/sec   (ii) 4.14 m/sec   (iii) 5.14 m/sec   (iv) 7.14 m/sec   (v) 6.14 m/sec

17. A train crosses a telegraph post in 33.21 sec and a bridge 718.54 m long in 48.80 sec. What is the speed of the train?

  (i) 44.09 m/sec   (ii) 48.09 m/sec   (iii) 46.09 m/sec   (iv) 47.09 m/sec   (v) 45.09 m/sec

18. In how much time will a train A of length 267.28 m travelling at a speed of 16.81 m/sec will cross another train B of length 130.80 m travelling in the same direction at a speed of 8.85 m/sec?

  (i) 51.01 sec   (ii) 50.01 sec   (iii) 49.01 sec   (iv) 48.01 sec   (v) 52.01 sec

19. If the speed of a vehicle is 29.84 m/sec, how much distance will it travel in 15.16 sec?

  (i) 450.37 m   (ii) 454.37 m   (iii) 453.37 m   (iv) 451.37 m   (v) 452.37 m

20. If a train travelling at 7.20 m/sec speed covers 138.02 m distance in a certain time, at what speed should it travel to cover 222.18 m distance in the same time ?

  (i) 9.59 m/sec   (ii) 12.59 m/sec   (iii) 10.59 m/sec   (iv) 11.59 m/sec   (v) 13.59 m/sec

21. If a train travels 452.10 m in 29.30 sec, what time it takes to travel 393.50 m?

  (i) 24.50 sec   (ii) 25.50 sec   (iii) 27.50 sec   (iv) 26.50 sec   (v) 23.50 sec

22. A train travels 167.40 m distance at 3.85 m/sec, 430.76 m distance at 11.42 m/sec and 317.04 m distance at 9.74 m/sec. What is the total time travelled by the train?

  (i) 114.75 sec   (ii) 111.75 sec   (iii) 112.75 sec   (iv) 115.75 sec   (v) 113.75 sec

23. A train travels 110.59 m distance at 2.61 m/sec, 368.32 m distance at 7.80 m/sec and 137.56 m distance at 4.61 m/sec. What is the average speed of the train?

  (i) 3.16 m/sec   (ii) 5.16 m/sec   (iii) 7.16 m/sec   (iv) 4.16 m/sec   (v) 6.16 m/sec

24. A motor boat can travel at a speed of 43.19 m/sec downstream and 0.49 m/sec upstream. How much time will it take to cross a distance of 341.14 m in still water?

  (i) 13.62 sec   (ii) 16.62 sec   (iii) 14.62 sec   (iv) 15.62 sec   (v) 17.62 sec

25. In how much time, a train of length 435.85 m travelling at a speed of 10.88 m/sec will cross a pole?

    (i) 42.06 sec   (ii) 41.06 sec   (iii) 38.06 sec   (iv) 40.06 sec   (v) 39.06 sec

Assignment Key

1) (ii)	2) (iv)	3) (ii)	4) (ii)	5) (iii)	6) (i)
7) (v)	8) (v)	9) (iv)	10) (iii)	11) (iv)	12) (iii)
13) (ii)	14) (ii)	15) (iv)	16) (v)	17) (iii)	18) (ii)
19) (v)	20) (iv)	21) (ii)	22) (v)	23) (ii)	24) (iv)
25) (iv)					