# NORTHEAST PSC
## (Time, Speed and Distance)
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**Q1.** A Car cover 90 km in 3 hours. If its speed is increased by 15 km/hr, then the time taken by its to cover the same distance is

[APSSB CSL 2023]

(a) 2 hrs 30 mins      (b) 3 hrs

(c) 2 hrs 10 mins      (d) 2 hrs

**Q2.** If a train runs at an average speed of 28 km per hour for 2 hours, at an average speed of 30 km per hours for next 3 hours and at 40 km per hour for last $1\frac{1}{2}$ hours, then the total distance travelled by the train in $6\frac{1}{2}$ hours is

[APSSB Stenographer 2024]

(a) 206 km      (b) 196 km

(c) 216 km      (d) 180 km

**Q3.** A is ahead of B by 5 km. if they are walking in same direction , when will B overtake if A walk 4 km/hr and B walk 5 km/hr ?

[APSSB stenographer 2024]

(a) After 5 hours

(b) After 3 hours

(c) After 9 hours

(d) Never

**Q4.** A 100 meters long train is running at a speed of 30 kmph. In what time will it pass a man standing near the line?

[ APSSB Stenographer 2024]

(a) 10 sec.

(b) 12 sec.
(c) 15 sec.

(d) 60 sec.

**Q5.** The speed of a train is 12 m/s and it takes 15 seconds to cross a telegraph post. The length of the train must be

[ APSSB Forester 2022]

(a) 300 m      (b) 250 m

(c) 225 m      (d) None of these

**Q6.** If a train travelled 5 km/hr faster, it would take 1 hour less than to travel 210 kms, then the speed of the train is

[ APSSB Forester 2022]

(a) 30 km/hr

(b) 35 km/hr

(c) 45 km/hr

(d) None of these

**Q7.** A man can run 40 km downstream in 5 hours and 28 km upstream in 7 hours. The speed of the stream is

[APSSB CHSL 2021]

(a) 1 kmph

(b) 2 kmph

(c) 3 kmpd

(d) 4 kmph

Q8. If in a kilometer race, A beats B by 20 meters, then in a 2 km race A beats B by

[APSSB CHSL 2021]

(a) 20 meters       (b) 200 meters

(c) 180 meters      (d) None of these

Q9. The speed of a train is 12 m/s and it takes 15 secs to cross a telegraph post. What is the length of the train?

[APSSB CHSL 2021]

(a) 300m            (b) 25m

(c) 225m            d) 180m

Q10. A train has to cover 120 km if the speed is changed from 30 km to 40 km per hour, find the change in the ratio of time taken.

[APSSB CHSL 2021]

(a) 3:4             (b) 4:3

(c) 3:5             (d) 3:5

Q11. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.

[APSSB Forest Guard 2022]

(a) 2 hrs

(b) 5 hrs

(c) 4 hrs

(d) 3 hrs

Q12. A person can cover a certain distance in 6 hrs travelling at a speed of 45 km/hr. Travelling at what speed can he cover the same distance in 5 hours?

[APSSB Forest Guard 2022]

(a) 50 km/hr

(b) 60 km/hr

(c) 54 km/hr

(d) None of these

Q13. A person crosses as 600 m long street in 5 minutes. What is his speed in km per hour?

[APSSB Forest Guard 2022]

(a) 3.6

(b) 7.2

(c) 8.4

(d) 10

Q14. If a bus covers a distance of 100 kms in 5 hours its, average speed is

[APSSB LDC 2023]

(a) 60 km/hr        (b) 20 km/hr

(c) 15 km/hr        (d) 100 km/hr

**Q15.** If man A walks at a speed of 5 km/hr and man B walks at a speed of 3 kms/hr from the same starting point in opposite direction, then distance between them after an hours is

[APSSB LDC 2023]

(a) 2 km

(b) 8 km

(c) 15 km

(d) 12 km

**Q16.** Naresh walked 2 km 35 m in the morning and 1 km 7m in the evening. How much distance did he walk in all?

[APSSB LDC 2020]

(a) 3 km 42 m          (b) 342 m

(c) 342 km             (d) None of these

**Q17.** If a man rides a cycle at 3.5 km/hr, what distance will he cover in 10 hrs?

[APSSB Fireman & Mineral Guard 2023]

(a) 250 km             (b) 35 km

(c) 2.5 km             (d) 50 km

**Q18.** If a man runs 6 metres in a second, What distance does he run per hour in kms?

[APSSB Fireman & Mineral Guard 2023]

(a) 60km               (b) 20 km

(c) 10 km              (d) 21.6

**Q19.** Suil left Shimoga and reached Durga in 4 hrs. His average speed for the journey was 90 kmph. The distance between the two places is

[APSSB Fireman & Mineral Guard 2023]

(a) 180 km             (b) 360 km

(c) 720 km             (d) 900 km

**Q20.** If A's speed is 45 km/hr, distance covered by her in 20 minutes is

[APSSB Fireman & Mineral Guard 2023]

(a) 18 km

(b) 30 km

(c) 22.5 km

(d) 15 km

**Q21.** Two men A and B start from a place walking at 5 km and 6 km an hour respectively. How many km will they be apart at the end of 4 hours if they walk in the opposite direction?

[APSSB CGL 2023]

(a) 4 km

(b) 44 km

(c) 30 km

(d) 36 km

**Q22. A loaded truck travels 14 kms in 25 minutes. If the speed remains the same. How far can it travel in 5 hours?**

[APSSB UDC 2019]

(a) 100 kms

(b) 158 kms

(c) 168 kms

(d) 120 kms