

TIME AND DISTANCE

- Q.1. A and B are two town. Mr. Faruqui covers the distance from A to B on cycle at 17 km/hr and returns to A by a Tonga running at a uniform speed of 8 km/hr. His average speed during the whole journey is:
a) 9.88 b) 10.88 c) 11 d) 11.55
- Q.2. A man drives 150 km from A to B in 3 hours 20 min. and returns to A in 4 hours 10 min. Then, average speed from A to B exceeds the average speed for the entire trip by:
a) 30 km/hr b) 35 km/hr c) 50 km/hr d) 40 km/hr
- Q.3. A car covers four successive 3 km stretches at speeds of 10 km/hr, 20 km/hr 30 km/hr and 60 km/hr respectively. Its average speed over this distance is:
a) 20 b) 30 c) 25 d) 40
- Q.4. A car completes a certain journey In 8 hour. It covers half the distance at 40 km/hr and the rest at 60 km/hr. The total distance of the journey is:
a) 380 km b) 384 km c) 385 km d) 350 km
- Q.5. A person walks at 5 km/hr for 6 hours and at 4 km/hr for 12 hours. The average speed of the man
a) $2\frac{1}{3}$ km/hr b) $3\frac{1}{3}$ km/hr c) $4\frac{1}{3}$ km/hr d) $5\frac{1}{3}$ km/hr
- Q.6. An aeroplane travels distances 2500 km, 1200 km and 500 km at the rate of 500 km/hr, 400km/hr and 250 km/hr respectively. The average speed (in km/hr) is:
a) 420 km/hr b) 450 km/hr c) 460 km/hr d) 400 km/hr
- Q.7. A bullock cart has to cover a distance of 80km in 10 hours. If it covers half of the journey in $\frac{3}{5}$ th time, what should be its speed to cover the remaining distance in the time left?
(a) 15 km/hr (b) 13 km/hr (c) 12 km/hr (d) 10 km/hr
- Q.8. In covering a certain distance, the speeds of A and B are in the ratio of 3:4. If A takes 20 min. more than B to reach the destination he time taken by A to reach the destination is:
a) 80 min b) 90 min c) 85 min d) 100 min
- Q.9. The ratio between the speeds of A and B is 2:3 and therefore A takes 10 minutes more than the time taken by B to reached a destination. If A had walked at doubled the speed, he would have covered the distance in:
a) 10 min b) 15 min c) 20 min d) 25 min
- Q.10. A is twice as fast as B, and B is thrice as fast as C is. The journey covered by C in 54 minutes will be covered by B:
a) 18 min b) 27 min c) 38 min d) 9 min
- Q.11. The ratio between the rates of walking of A and B is 3:4. If the time taken by B to cover a certain distance is 36 minutes, the time taken by A to cover that much distance is:
a) 48 min b) 50 min c) 45 min d) 52 min
- Q.12. A boy goes to school from his village at 3 km/hr and returns back at 2 km/hr if he takes 5 hours in all, the distance between the village and the school is:

- a) 5 km b) 5.5 km c) 6 km d) 6.5 km
- Q.13. *Ramesh* covers two-third of a certain distance at 4 km/hr and the remaining at 5 km/hr. If he takes 42 minutes in all, the distance is:
- a) 3 km b) 4 km c) 5 km d) 6 km
- Q.14. A man performs $\frac{1}{3}$ of the total journey by rail, $\frac{1}{4}$ by bus and the remaining 6.5 km on foot. His total journey is:
- a) 120 km b) 130 km c) 140 km d) 150 km
- Q.15. *Vivek* traveled 1200 km by air, which formed $\frac{2}{3}$ of his trip. One-third of the whole trip, he traveled by car and the rest of the journey he performed by train. The distance traveled by train was:
- a) 600 km b) 700 km c) 800 km d) 1000 km
- Q.16. Two men start together to walk to a certain destination, one at 3 km/hr and another at 3.75 km/hr. The latter arrives half an hour before the former. The distance is:
- a) 6 km b) 7.5 km c) 8 km d) 9.5 km
- Q.17. A train M leaves *Meerut* at 5 a.m. and reaches Delhi at 9 a.m. Another train N leaves Delhi at 7 a.m. and reaches *Meerut* at 10.30 a.m. At what time do the two trains cross one another?
- a) 7:36 am b) 7:56 am c) 8 am d) 8:26 am
- Q.18. A and B travel the same distance at 9 km/hr and 10 km/hr respectively. If A takes 36 minutes longer than B, the distance traveled by each is:
- a) 54 km b) 55 km c) 50 km d) 60 km
- Q.19. A man takes 5 hours 45 min. in walking to a certain place and riding back. He would have gained 2 hours by riding both ways. The time he would take to walk both ways is:
- (a) 3 hours 45 min (b) 7 hours 30 min (c) 7 hours 45 min (d) 11 hours 45 min
- Q.20. The ratio between the rates of walking of A and B is 3 : 4. If the time taken by B to cover a distance is 24 minutes, the time taken by A to cover that much distance is:
- a) 32 b) 33 c) 34 d) 35

ANSWER KEY

1	D
2	B
3	A
4	B
5	C
6	A
7	D
8	A
9	B
10	A
11	A
12	C
13	A
14	B
15	D
16	B
17	B
18	A
19	C
20	A