PROBLEMS ON TRAINS

Q.1. If a train 110 m long passes a telegraph pole in 3 seconds, then the time taken by it to cross a railway platform 165 m long, is:

a) 58 1/2 sec b) 7 1/7 sec c) 30 sec d) 7sec

Q.2. A train 110 m long is traveling at a speed of 58 km/ph. The time in which it will pass a passer by, walking at 4 km/ph in the same direction, is:

a) 20 sec b) 6 sec c) 7 1/3 sec d) 7 sec

Q.3. A train 150 m long moving at a speed of 25 meters per second overtakes a man moving at 5 meters/sec in opposite direction. The train will pass the man in:

a) 5 sec b) 10 sec c) 15 sec d) 6 sec

Q.4. Two trains 200 m and 150 m long are running of parallel rails at the rate of 40 km/ph and 45 km/ph respectively, in how much time will they cross each other, if they are running in the same direction:

a) 72 sec b) 132 sec c) 192 sec d) 252 sec

Q.5. Two train 126 m and 114 m long are moving in opposite directions, one at the rate of 30 km/ph and another one at 42 km/ph. From the moment the meet will cross each other in:

a) 11 sec b) 12 sec c) 18 sec d) 20 sec

Q.6. A train 270 m long is moving at a speed of 24 km/hr. It will cross a man coming from the opposite direction at a speed of 3 km/hr., in:

a) 31 sec b) 40sec c) 38 sec d) 36 sec

Q.7. A train 125 m long passes a man, running at 5 km/hr. in the same direction in which the train is going, in 10 seconds. The speed of the train is:

a) 45 km / hr b) 50 km / hr c) 54 km / hr d) 55 km / hr

Q.8. A train 110 m long passes a man, running at 6 km/hr in the direction opposite to that of the train, in 6 second. The speed of the train is:

a) 55 km / hr b) 60 km / hr c) 120 km / hr d) Can't be determine

Q.9. Two trains are moving in the same direction at 65 km/hr and 45 km/hr. the faster train crosses a man in slower train in 18 seconds. The length of the faster train is:

a) 120 m b) 100 m c) 180 m d) 300 m

Q.10. A train 108 m long moving at a speed of 50 km/hr. crosses a train 112 m long coming from opposite direction in 6 seconds. The speed of the second train is:

a) 48 km / hr b) 54 km / hr c) 66 km / hr d) 82 km / hr

Q.11. A train B speeding with 120 km/hr crosses another train C, running in the same direction in 2 minutes. If the lengths of the trains B and C be 100 m and 200m respectively, what is the speed of the train C?

a) 111 km / hr b) 115 km / hr c) 100 km / hr d) 160 km / hr

Q.12. Two trains travel in opposite direction at 36 km/hr and 45 km/hr and a man sitting in slower train passes the faster train in 8 seconds. The length of the faster train is:

a) 80 m b) 100 m c) 120 m d) 180 m

Q.13. A train overtakes two persons who are waking in the same direction in which the train is going, at the rate of 2 km/hr and 4 km/hr and passes them completely in 9 and 10 sec. respectively. The length of the train is:

a) 50 m b) 51 m c) 60 m d) 66 m

Q.14. Two stations A and B are 110 km apart on a straight line. One trains starts from A at 7 a.m. and travels towards B at 20 km/hr. Another train starts form B at 8 a.m. and travels towards A a speed of 25 km/hr. at what time will the meet ?

a) 9 am b) 10am c) 10:30 am d) 11 am

Q.15. A train X starts from Meerut at 4 p.m. and reaches *Ghaziabad* at 5 p.m. while another train Y starts from *Ghaziabad* at 4 p.m. and reaches Meerut at 5.30 p.m. The two trains will cross each other at:

a) 4:36 pm b) 4:42 pm c) 4:48 pm d) 4:50 pm

Q.16. Two trains running in the same direction at 65 km/hr and 47 km/hr. completely pass one another in 1 minute. If the length of the first train is 125 m, the length of the second train is:

a) 148 m b) 178 m c) 130 m d) 175 m

Q.17. Two trains are running in opposite directions towards each other with speeds of 54 km/hr and 48 km/hr respectively. If the length of one train is 250 m and they cross each other in 18 seconds, the length of the other train is:

a) 260 m b) 280 m c) 302 m d) 460 m

Q.18. A train 150 m long passes a km stone in 15 sec and another train of the same length traveling in opposite direction in 8 seconds. The speed of the second train is:

a) 99 km/hr b) 100 km /hr c) 150 km/hr d) 95 km/hr

Q.19. A train traveling at 48 km/hr completely crosses another train having half its length and traveling in opposite direction at 42 km/hr, in 12 sec. It also passes a railway platform in 45 seconds. The length of the platform is?

a) 400 m b) 600 m c) 650 m d) 430 m

Q.20. A train is running at the rate of 60 km/hr. A man is also going in the same direction on a track parallel to rails at a speed of 45 km/hr. If the train crosses the man in 48 sec. the length of the train is:

a) 300 m b) 200 m c) 320 m d) 400 m

ANSWER KEY

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