1) A jogger running at 9 kmph alongside a railway track in 240 metres ahead of the engine of a 120 metres long train running at 45 kmph in the same direction. In how much time will the train pass the jogger?

a) 3.6 sec   b) 18 sec

c) 36 sec   d) 72 sec

2) Two trains are moving in opposite directions 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is_____?

a) 36   b) 45

c) 48   d) 49

3) A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of

a) 120   b) 260

c) 240   d) 220

4) A train 240 m long passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?

a) 80 Sec   b) 89 Sec

c) 90 Sec   d) 95 Sec

5) A man covers a distance of 20 km in 3.5 hours partly by running and partly by walking. If he walks at 4 kmph and runs at 10 kmph, find the distance he covers by walking.

a) 10 km   b) 8 km

c) 12 km   d) 9 km

6) Rayan crosses a 400m bridge in 3 minutes. What is speed?

a) 133.33 kmph   b) 1.33 kmph

c) 4 kmph   d) 8 kmph

7) How much time does a train 125 metres long running at 60 km/hr take to pass a pole?

a) 6s   b) 2.08s

c) 7.5s   d) 8s

8) Walking 6/7th of his usual speed, a man is 12 minutes too late. What is the usual time taken by him to cover that distance?

a) 1 hr 42 min   b) 1 hr

c) 2 hr   d) 1 hr 12 min

9) Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

a) 12   b) 11

c) 10   d) 9

10) There are 21 poles with a constant distance between each pole. A car takes 30 seconds to reach the 16th pole. How long does it take to reach the last pole?

a) 39 seconds   b) 40 seconds
c) 39.38 seconds   d) 39.5 seconds

11) A person walking at 5/6th of his usual speed is 40 minutes late to his office. What is his usual travel time to his office?
a) 3 hours 20 minutes
b) 3 hours 15 minutes
c) 3 hours 30 minutes
d) 3 hours

12) Walking at 80% of his usual speed, a man is 10 mins late to his office. Find the usual time taken by hime to reach his office.
a) 20 minutes   b) 30 minutes
c) 40 minutes   d) 50 minutes

13) At 10 a.m. two trains started traveling toward each other from stations 287 miles apart. They passed each other at 1:30 p.m. the same day. If the average speed of the faster train exceeded the average speed of the slower train by 6 miles per hour, which of the following represents the speed of the faster train, in miles per hour?
a) 38   b) 40
c) 44   d) 48

14) Three towns X, Y, and Z are on a river which flows uniformly. Y is equidistant from X and Z. If a boats man rows from X to Y and back in 10 hours and X to Z in 4 hours, find the ratio of speed of the boats man in still water to the speed of the current.
a) 2:5   b) 5:3
c) 3:5   d) 1:2

15) A and B go cycling in the same direction with speeds of 6 km/hr and 12 km/hr. A car from behind passes them in 9 and 10 seconds respectively. What is the speed of the car?
a) 22 km/hr   b) 33 km/hr
c) 66 km/hr   d) 44 km/hr

16) 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) 11 hrs   b) 8 hrs 45 min
c) 7 hrs 45 min   d) 9 hts 20 min

17) In a journey of 24 miles, two thirds of the distance was travelled with a speed of 40 mph and the remaining with 60 mph. How much time did the journey take?
a) 14.4 minutes   b) 20 minutes
c) 28.8 minutes   d) 32 minutes

18) A man travels a distance of 2 km by walking at a speed of 6 km/hr. He returns back at a speed of 4 km/hr. What is his average speed?
a) 4.5 kmph   b) 4.8 kmph

c) 5 kmph   d) 5.1 kmph

19) A man rows at a speed of 6 km/hr in still water. If the time taken to row a certain distance upstream is 4 times the time taken to row the same distance downstream, what is the speed of the river?

a) 1.8 km/hr   b) 3 km/hr
c) 3.6 km/hr   d) 4 km/hr

20) Two trains 140 metres and 120 metres are running in the same direction with speeds 40 kmph and 60 kmph respectively. In what time will the faster train pass the slower one?

a) 0.60 minutes   b) 0.36 minutes
c) 0.78 minutes   d) 0.42 minutes

21) Yalmaz can cover a distance of 400 metres in 2 minutes. Rayan can cover 1 km in 300 seconds. Find the ratio of their speeds.

a) 2:5   b) 4:3
c) 1:2   d) 1:1

22) If the ratio of the speeds of A and B to cover a distance of 200 m is 3:4, then the ratio of the time taken to cover the same distance is_____?

a) 6:8   b) 3:7
c) 5:4   d) 4:3

23) A car can travel 360km with a ¾ full tank. How many km can it travel with a 2/3 full tank?

a) 400   b) 320
c) 240   d) 300

24) A boats man can row in still water at speed of 7 km/hr. It takes 6 hours more to travel the same distance in upstream than in downstream if the speed of the river is 3 km/hr. what is the distance between the two destinations?

a) 20 km   b) 40 km
c) 30 km   d) 10 km

25) If Afnan drives at 4/5th of his usual speed to his office, he is 6 minutes late. What is his usual time to reach his office?

a) 36   b) 24
c) 30   d) 18

26) Excluding stoppages, the average speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

a) 9   b) 10
c) 12   d) 20

27) If a boat is rowed downstream for 50 km in 5 hours and upstream for 24 km in 6 hours, what is the speed of the boat and the river?

a) (7 , 3) km/hr   b) (6 , 4) km/hr

c) (10 , 4) km/hr   d) None of these

28) Taimoor left for his school at 6 am by foot and walked at the rate of 2 kmph. After reaching his school he found it was closed and immediately turned back and started walking back to his home at 3 kmph. If he reached his home at 9 am, find the distance between his school and his home.

a) 2.5 km   b) 7.2 km
c) 7 km   d) 3.6 km

29) A and B walk around a circular track. A and B walk at a speed of 2 rounds per hour and 3 rounds per hour respectively. If they start at 8 a.m. from the same point in opposite directions, how many times shall they cross each other before 9.30 a.m.?

a) 5   b) 6
c) 7   d) 8

30) If a man walks at 6 kmph, he can reach his destination at 9:00 am. However, he walks a little slower and reaches only at 10:00 am. If the distance to his destination was 12 km, at what speed did he walk?

a) 5 kmph   b) 4 kmph
c) 4.5 kmph   d) 3 kmph

31) Asghar traveled from his house to his office at 10 km/hr and returned at rate of 9 km/hr. Rohit travelled through the same path both ways at 12 km/hr and took 10 minutes less than Asghar. What is the distance between Asghar's house and his office?

a) 3000m   b) 7500m
c) 3750m   d) 7000m

32) An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in 5/3 hours, it must travel at a speed of:_____?

a) 660 km/hr   b) 680 km/hr
c) 700 km/hr   d) 720 km/hr

33) A car travels 50% faster than a bike. Both start at the same time from A to B. The car reaches 25 minutes earlier than the bike. If the distance from A to B is 100 km, find the speed of the bike.

a) 120 km   b) 100 km
c) 80 km   d) 75 km

34) Danish his car at a speed of 120 kmph for the first 2 hours and then at a speed of 100 kmph for the next half an hour. Find the distance covered by him during the entire journey.

a) 300 km   b) 290 km
c) 250 km   d) 240 km

35) A boy goes to his school from his house at a speed of 3 km / hr and returns at a speed of 2 km / hr. If he takes 5 hours in

going and coming, the distance between his house and school is :_____?

a) 5 km   b) 5.5 km

c) 6 km   d) 6.5 km

a) 40 kmph, 25kmph

b) 25 kmph, 35 kmph

c) 30 kmph, 20 kmph

d) 35 kmph, 25 kmph

36) An express train travelled at an average speed of 100 km / hr, stopping for 3 minutes after every 75 km. How long did it take to reach its destination 600 km from the starting point ?

a) 6 hrs 21 min   b) 6 hrs 24 min

c) 6 hrs 27 min   d) 6 hrs 30 min

40) Cyclist A started his journey on cycle at 7.30 a.m. at a speed of 8 km/hr. After 30 minutes, cyclist B started from the same place but with a speed of 10 km/hr. At what time did B overtake A?

a) 8 am   b) 10 am

c) 9 am   d) 9:30 am

37) A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 km /hr, the time taken by it to cover the same distance will be :_____?

a) 10 min   b) 11 min 20 sec

c) 13 min   d) 13 min 20 sec

38) Two automobiles are 150 kilometers apart and traveling toward each other. One automobile is moving at 60km/h and the other is moving at 40km/h mph. In how many hours will they meet?

a) 2.5   b) 2.0

c) 1.75   d) 1.5

39) Distance between A and B is 1200 km. If they start moving towards each other at same time, they will meet in 24 hrs. If A starts 10 hrs after B, then they will meet in 20 hrs. What are their respective speeds?