Aptitude Practice Test

Total points   17/30   ?

30 Questions 1 hr

All The Best..!!!

Student's Name *

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12 digit ID *

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Center *

○ juhu

◉ kharghar

✓ 1) A running man crosses a bridge of length 500 meters in 4 minutes. At   *1/1
   what speed he is running?

○ 8.5 km/hr

◉ 7.5 km/hr   ✓

○ 9.5 km/hr

○ 6.5 km/hr

✗ 2) A car running at a speed of 140 km/hr reached its destination in 2 hours. If the car wants to reach at its destination in 1 hour, at what speed it needs to travel? *0/1

○ 300 km/hr

○ 280 km/hr

○ 250 km/hr

◉ 240 km/hr ✗

Correct answer

◉ 280 km/hr

✓ 3) A jogger is running at a speed of 15 km/hr. In what time he will cross a track of length 400 meters? *1/1

◉ 96 sec ✓

○ 100 sec

○ 104 sec

○ 110 sec

✓ 4) A horse covers a distance of 1500 meters in 1 minute 20 seconds. At what speed the horse is running? *1/1

○ 67.2 km/hr

○ 67.7 km/hr

◉ 67. 5 km/hr ✓

○ 67.9 km/hr

✓ 5) A cyclist moving at a speed of 20 km/hr crosses a bridge in 2 minutes. *1/1
What is the length of the bridge?

○ 555.5 m

○ 444.4 m

○ 777.7 m

◉ 666.6 m   ✓

✓ 6) Two boys start running at the same time in the same direction at a   *1/1
speed of 10 km/hr and 12 km/hr respectively. In what time they will be 8
km apart?

○ 3 hours

◉ 4 hours   ✓

○ 5 hours

○ 6 hours

✓ 7) A man walking at a speed of 8 km/hr covers a certain distance in 1   *1/1
hour 45 minutes. If he runs at a speed of 10 km/hr, in what time he will
cover the same distance?

○ 74 minutes

○ 70 minutes

○ 80 minutes

◉ 84 minutes   ✓

✓ 8) A horse covers a certain distance in 40 minutes if it runs at a speed of *1/1
60 km/hr. At what speed the horse can cover the same distance in 30
minutes?

⦿ 80 km/hr   ✓

◯ 82 km/hr

◯ 84 km/hr

◯ 86 km/hr

✓ 9) A car moving at a speed of 75 km/hr covers certain distance in 2 *1/1
hours. If its speed is reduced by 15 km/hr, in what time it will cover the
same distance?

◯ 135 minutes

◯ 140 minutes

⦿ 150 minutes   ✓

◯ 155 minutes

✓ 10) At his usual speed a cyclist covers a certain distance in 8 hours. *1/1
When the speed of cycle is increased by 4 km/hr the same distance can
be covered in 6 hours. Find the distance.

◯ 92 km

◯ 94 km

⦿ 96 km   ✓

◯ 98 km

✕   11) Including stoppages the speed of a bus is 60 km/hr and excluding   *0/1
    stoppages its speed is 65 km/hr. For how long the bus stops in an hour?

⦿ 6 minutes   ✕

◯ 7 minutes

◯ 3 minutes

◯ 4 minutes

Correct answer

⦿ 4 minutes

✓   12) Two buses 200 km apart, start moving from the bus stations at the   *1/1
    same time towards each other on parallel roads. If they cross each other
    at a distance of 120 km from one of the bus stations, find the ratio of
    their speeds.

◯ $4/2$

◯ $5/2$

⦿ $3/2$ ✓

◯ $6/2$

✓ 13) A man completes a journey in 5 hours. He completes the first half of   *1/1
   the journey at a speed of 20 km/hr and the second half at a speed of 25
   km/hr. What is the total journey in km?

○ 6.4 km

◉ 5.4 km   ✓

○ 4.4 km

○ 3.4 km

✓ 14) If a man runs at 24 km/hr instead of 20 km/hr he could run 40 km   *1/1
   more. Find the actual distance travelled by him.

○ 100 km

○ 150 km

◉ 200 km   ✓

○ 250 km

✕ 15) A bus travels 50% faster than a car. Both start moving at the same   *0/1
    time from station P and reach station Q at the same time. The stations
    are 100 km apart. If on the way the bus stops at the bus stop for 10
    minutes, find the speed of the car.

○ 415 km/hr

○ 410 km/hr

⦿ 315 km/hr   ✕

○ 300 km/hr

Correct answer

⦿ 300 km/hr

✓ 16) The ratio between the speeds of a bus and car is 8:6. If the car travels *1/1
    200 km in 2 hours, find the speed of the bus.

○ 131.3 km/hr

⦿ 133.3 km/hr   ✓

○ 135.3 km/hr

○ 137.3 km/hr

✕ 17) A man travels first 150 km of his journey at 80 km/hr. Due to bad   *0/1
   weather he travels the next 150 km of his journey at 60 km/hr. What is his
   average speed for the first 300 km of his journey?

○ 60.6 km/hr

○ 63.6 km/hr

◉ 66.6 km/hr   ✕

○ 68.6 km/hr

Correct answer

◉ 68.6 km/hr

✓ 18) A car moving with$^{6}/_{9}$ of its actual speed covers 50 km in 1 hour 40   *1/1
   min. What is the actual speed of the car?

○ 65 km/hr

○ 70 km/hr

◉ 45 km/hr   ✓

○ 80 km/hr

✓ 19) The circumference of a jogging track is 735 m. Peter and Tom start   *1/1
   walking from the same point at the same time in opposite direction. If
   they are walking at 6 km/hr and 8 km/hr respectively, after how much
   time they will meet?

○ 3 minutes

○ 3.12 minutes

◉ 3.15 minutes   ✓

○ 4 minutes

✗ 20) A man can swim at 10 km/hr in still water. It takes him twice as much *0/1
   time to reach the destination when he swims up the river as it takes when
   he swims down the river. At what speed the river is flowing?

○ $10/3$ km/hr

○ $8/2$ km/hr

◉ $11/7$ km/hr   ✗

○ $10/5$ km/hr

Correct answer

◉ $10/3$ km/hr

✗   21) A man covers a distance of 110 km between two cities in 10 hours.   *0/1
     He travelled partly on foot at 9 km/hr and partly on a bicycle at 15 km/hr.
     Find the distance travelled on foot.

○   60 km

○   92 km

◉   94 km   ✗

○   96 km

Correct answer

◉   60 km

✗   22) A farmer travelled from his village to city to buy seeds. He went by   *0/1
     bicycle at a speed of 20 km/hr and came back at a speed of 5 km/hr. If
     the farmer took 5 hours and 40 minutes to complete his journey, find the
     distance between village and city?

○   15 km

○   19 km

◉   23 km   ✗

○   25 km

Correct answer

◉   19 km

✕ 23) A man goes to his office at ²/₃ of the speed at which he returns from   *0/1
the office. If his average speed is during the whole journey is 24 km/hr, at
what speed the man goes to office?

○ 20 km/hr

○ 21 km/hr

◉ 22 km/hr   ✕

○ 23 km/hr

Correct answer

◉ 20 km/hr

✓ 24) The ratio between the speeds of two cars is 5:8. If the first car covers   *1/1
200 km in 2 hours, find the speed of the second car.

○ 140 km/hr

○ 150 km/hr

◉ 160 km/hr   ✓

○ 170 km/hr

✕   25) A man covers first 48 km of his journey in 40 minutes and next 32 km   *0/1
in 30 minutes. Find his average speed.

○   64 km/hr

○   67 km/hr

◉   70 km/hr   ✕

○   74 km/hr

Correct answer

◉   64 km/hr

✕   26)If a car runs at 45km/hr, it reaches its destination late by 10 min but if   *0/1
runs at 60km/hr it is late by 4min. What is the correct time for the
journey?

○   A. 24min

○   B. 14min

◉   C. 32 min   ✕

○   D. 46 min

Correct answer

◉   B. 14min

✕ 27. A truck running from a city at a speed of 40 km/hr and the speed of   *0/1
    the truck was increased by 2 km/hr at the end of every hour. Find the total
    distance covered by the truck in the first 5 hours of the journey.

○ A. 180 km

○ B. 120 km

◉ C. 220 km   ✕

○ D. 90 km

○ E. 105 km

Correct answer

◉ B. 120 km

✕ 28. Two persons start running simultaneously around a rectangular track *0/1
    of length 700 m from the same point at speeds of 45 km/hr and 25
    km/hr. When will they meet for the first time any where on the track if they
    are moving in opposite directions?

◉ A. 50 sec.   ✕

○ B. 42 sec.

○ C. 25 sec.

○ D. 36 sec.

○ E. 40 sec.

Correct answer

◉ D. 36 sec.

✗   29. Two places A and B are at a distance of 480Km. Sita started from A   *0/1
towards B at the speed of 40Kmph. After 2 hours Gita started from B
towards A at speed of 60 Kmph. They meet at a Place C then what is the
difference between the time taken by them to reach their destinations
from Place C?

○ A. 1 hour

○ B. 2 hours

◉ C. 3 hours   ✗

○ D. 4 hours

○ E. Cannot be determined

Correct answer

◉ B. 2 hours

✓   30. The distance between two places A and B is 370 km. the 1st car   *1/1
departs from place A to B, at a speed of 80 kmph at 10 am and 2nd car
departs from place B to A at a speed of 50 kmph at 1 pm. At what time
both cars meet each other?

○ A. 2 : 30 pm

◉ B. 2 : 00 pm   ✓

○ C. 2 : 10 pm

○ D. 2 : 20 pm

○ E. None of these

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