ONLINE COACHING DAY 12 (04-09-19) TIME DISTANCE AND SPEED

KERALA PSC SPECIAL

NAME OF THE CANDIDATE *

M-2 ▼

PLACE *

Thrissur ▼

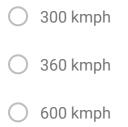**WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM GROUP)** *

xxxxx

QUESTIONS

PLEASE WATCH THE ONLINE VIDEO (1-3)

https://youtu.be/Ro8456-ADbE
https://youtu.be/5GrXzQsDRc0
https://youtu.be/l3EjABJiDos

1. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour? *

○ 3.6

◉ 7.2

○ 8.4

○ 10

2. An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in 1 2/3 hours, it must travel at a speed of: *

○ 300 kmph

○ 360 kmph

○ 600 kmph

◉ 720 kmph

3. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is: *

◉ 50 km

○ 56 km

○ 70 km

○ 80 km

4. 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? *

○ 9

◉ 10

○ 12

○ 20

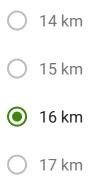5. The ratio between the speeds of two trains is 7 : 8. If the second train runs 400 km in 4 hours, then the speed of the first train is: * 1 point

○ 70 km/hr

○ 75 km/hr

○ 84 km/hr

◉ 87.5 km/hr

6. A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is: * 1 point

○ 35.55 km/hr

○ 36 km/hr

◉ 71.11 km/hr

○ 71 km/hr

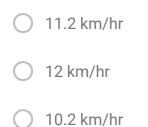7. A farmer travelled a distance of 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is: * 1 point

○ 14 km

○ 15 km

◉ 16 km

○ 17 km

8. 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 * 1 point

○ 11 hrs

○ 8 hrs 45 min

◉ 7 hrs 45 min

○ 9 hrs 20 min
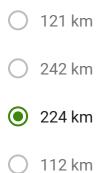
9. A man rides his bicycle 10 km at an average speed of 12 km/hr and again travels 12km at an average speed of 10 km/hr. What is his average speed for the entire trip approximately? *

○ 11.2 km/hr

○ 12 km/hr

○ 10.2 km/hr

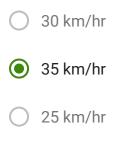◉ 10.8 km/hr

10. A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km. *

○ 121 km

○ 242 km

◉ 224 km

○ 112 km

11. A car traveling with 5/7 of its actual speed covers 42 km in 1 hr 40 min 48 sec. What is the actual speed of the car? *
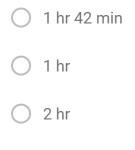
○ 30 km/hr

◉ 35 km/hr

○ 25 km/hr

○ 40 km/hr

12. 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.? *

1 point

○ 5

○ 6

◉ 7

○ 8

13. Two boys starts from the same place walking at the rate of 5 kmph and 5.5 kmph respectively in the same direction. What time will they take to be 8.5 km apart? *

1 point

◉ 17 hr

○ 14 hr

○ 12 hr

○ 19 hr

14. 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? *

1 point

○ 1 hr 42 min

○ 1 hr

○ 2 hr

◉ 1 hr 12 min

15. A man goes to his office 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, what is the distance between his house and office? *

- ○ 3 km
- ○ 4 km
- ○ 5 km
- ⦿ 6 km

16. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B, 75 kms away from A, at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. What is the speed of the car? *

- ○ 80 kmph
- ○ 102 kmph
- ⦿ 120 kmph
- ○ 140 kmph

17. An athlete runs 200 metres race in 24 seconds. What is his speed? *

- ○ 20 km/hr
- ○ 25 km/hr
- ○ 27.5 km/hr
- ⦿ 30 km/hr

18. A train is moving at the speed of 80 km/hr. What is its speed in metres per second? *

- ⦿ 22 2/9 m/s
- ○ 22 m/s
- ○ 21 1/9 m/s
- ○ 21 m/s

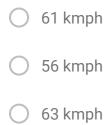19. A man walking at the rate of 5 km/hr crosses a bridge in 15 minutes. What is the length of the bridge (in metres)? * 1 point

- ● 1250
- ○ 1280
- ○ 1320
- ○ 1340

20. A person travels from A to B at a speed of 40 km/hr and returns by increasing his speed by 50%. What is his average speed for both the trips? * 1 point

- ○ 60 km/hr
- ○ 56 km/hr
- ○ 52 km/hr
- ● 48 km/hr

21. A man in a train notices that he can count 21 telephone posts in one minute. If they are known to be 50 metres apart, at what speed is the train travelling? * 1 point

- ○ 61 kmph
- ○ 56 kmph
- ○ 63 kmph
- ● 60 kmph

22. A truck covers a distance of 550 metres in 1 minute whereas a train covers a distance of 33 kms in 45 minutes. What is the ratio of their speed? * 1 point

- ○ 2:1
- ○ 1:2
- ○ 4:3
- ● 3:4

23. A person has to cover a distance of 6 km in 45 minutes. If he covers one-half of the distance in two-thirds of the total time, to cover the remaining distance in the remaining time, what should be his speed in km/hr? *

- ○ 14 kmph
- ◉ 12 kmph
- ○ 10 kmph
- ○ 8 kmph

24. The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels towards B at 60 km/hr. Another train starts from B at 9 a.m. and travels towards A at 75 km/hr. At what time will they meet? *

- ○ 10.30 am
- ○ 10 am
- ○ 12 noon
- ◉ 11 am

25. Sound is said to travel in air at about 1100 feet per second. A man hears the axe striking the tree, 11/5 seconds after he sees it strike the tree. How far is the man from the wood chopper? *

- ○ 1800 ft
- ○ 2810 ft
- ○ 3020 ft
- ◉ 2420 ft

Thank You!!