Aptitude Test Week-5

devidinesh07@gmail.com Switch account

Draft saved

* Required

Email *

devidinesh07@gmail.com

NAME *

Devi Dinesh

12 digit Roll No *

220340320036

Centre *

KH

1. 1 point

A boat can travel 12.6 km downstream in 35 min. If the speed of the water current is one-fourth the speed of the boat in the still water, then what distance the boat can travel upstream in 28 min?

- ○ 7 km
- ◉ 7.5 km
- ○ 8.5 km
- ○ 8 km
- ○ 6 km

Clear selection

2. 1 point

A sailor sails a distance of 48 km along flow of a river in 8 h. If it takes 12 h to return the same distance, then the speed of the flow of the river is

- ○ 0.5 km/h
- ◉ 1 km/h
- ○ 1.5 km/h
- ○ 2 km/h

Clear selection

3. 1 point

The speed of a boat in still water is 500% more than the speed of the current. What is the respective ratio between the speed of the boat downstream and the speed of the boat upstream?

- 9:2
- 7:3
- 7:5 (selected)
- 9:4
- 4:3

Clear selection

4. 1 point

A motorboat can travel at 10 km/h in still water. It travelled 91 km downstream in a river and then returned to the same place, taking altogether 20 h. The rate of flow of river is

- 3 km/h
- 4 km/h
- 2 km/h (selected)
- 5 km/h

Clear selection

5. 1 point

The speed of a boat in still water is 16 km/h and the speed of the current is 2 km/h. The distance travelled by the boat from point A to point B downstream is 12 km more than the distance covered by the same boat from point B to point C upstream in the same time. How much time will the boat take to travel from C to B downstream?

- ○ 3 h
- ○ 2 h 30 min
- ○ 3 h 20 min
- ◉ 2 h 20 min
- ○ 2 h

Clear selection

6. 1 point

Pawan can row 24 km/h in still water. When the river is running at 4.8 km/h, it takes him 1h to row to a place and to come back. How far is the place?

- ◉ 11.52 km/h
- ○ 14 km/h
- ○ 12.52 km/h
- ○ 15 km/h

Clear selection

7. 1 point

Two ports A and B are 300 km apart. Two ships leave A for B such that the second leaves 8 h after the first. The ships arrive at B simultaneously. Find the time taken by the slower ship on the trip, if the speed of one of them is 10 km/h higher than that of the other.

- ○ 25 h
- ○ 15 h
- ○ 10 h
- ○ 20 h

8. 1 point

If the speed of a swimmer in still water is 9 km/h. Find the downstream speed of the swimmer, when the river is flowing with the speed of 6km/h.

- ◉ 15 km/h
- ○ 18 km/h
- ○ 3 km/h
- ○ 12 km/h

Clear selection

9. 1 point

A person can row downstream 20 km in 2h and upstream 4 km in 2 h. What is the speed of the current?

- ○ 2 km/h
- ○ 2.5 km/h
- ○ 3 km/h
- ◉ 4 km/h

Clear selection

10. 1 point

A boat can travel upstream 13 km and downstream 28 km taking 5 h each time. The velocity of the current is

- ○ 0.5 km/h
- ○ 1 km/h
- ◉ 1.5 km/h
- ○ 2 km/h
- ○ 2.5 km/h

Clear selection

11. 1 point

A train running at the speed of 56 km/hr crosses a pole in 18 seconds. What is the length of the train?

- ○ 200m
- ○ 250m
- ◉ 325m
- ○ 280m

Clear selection

12. 1 point

It takes a 360 m long train 12 seconds to pass a pole. How long will it take to pass a platform 900 m long?

- ○ 40 seconds
- ○ 32 seconds
- ◉ 42 seconds
- ○ 50 seconds

Clear selection

13. 1 point

Time is taken by two trains running in opposite directions to cross a man standing on the platform in 28 seconds and 18 seconds respectively. It took 26 seconds for the trains to cross each other. What is the ratio of their speeds?

- ○ 2:3
- ◉ 3:2
- ○ 3:1
- ○ 4:1

Clear selection

14. 1 point

A train running at the speed of 40 km/hr crosses a signal pole in 9 seconds. Find the length of the train?

- ○ 90 ms
- ○ 150 ms
- ○ 120 ms
- ◉ 100 ms

Clear selection

15. 1 point

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 the platform?

- ○ 120 m
- ◉ 240 m
- ○ 300 m
- ○ None of these

Clear selection

16. 1 point

How many seconds will a 500 meter long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr?

- ◉ 25
- ○ 30
- ○ 40
- ○ 45

Clear selection

17. 1 point

Two goods train each 500 m long, are running in opposite directions on parallel tracks. Their speeds are 45 km/hr and 30 km/hr respectively. Find the time taken by the slower train to pass the driver of the faster one.

- ○ 12 sec
- ◉ 24 sec
- ○ 48 sec
- ○ 60 sec

Clear selection

18. 1 point

Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?

- ○ 10.30
- ○ 10
- ○ 8.45
- ○ 9.30

19. 1 point

A train travelling at a speed of 75 mph enters a tunnel 7/2 miles long. The train is 1/4 mile long. How long does it take for the train to pass through the tunnel from the moment the front enters to the moment the rear emerges?

- ○ 2.5 min
- ○ 3.2 min
- ○ 3.5 min
- ◉ 3 min

Clear selection

20. 1 point

A 300 metre long train crosses a platform in 39 seconds while it crosses a signal pole in 18 seconds. What is the length of the platform?

- ○ 320 m
- ○ 650 m
- ◉ 350 m
- ○ Data inadequate

Clear selection

21. 1 point

A man travelled distance of 42 km in 5 hours. He travelled partly on foot at the rate of 4 kmph and the rest on bicycle at the rate of 10 kmph. The distance travelled on foot is:

- ○ 18 km
- ○ 15 km
- ○ 10 km
- ◉ 12 km

Clear selection

22. 1 point

The wheel of a car has 210 cm diameter. How many revolutions per minute must the wheel make so that the speed of the car is kept at 120 kmph.

- ○ 326.42
- ○ 245
- ◉ 303.03
- ○ 289

Clear selection

23. 1 point

A person walks a distance from point A to B at 15 kmph, and from point B to A at 30 kmph. if he takes 3 hours to complete the journey, then what is the distance from A to B?

- ○ 25 km
- ○ 10 km
- ○ 15 km
- ◉ 30 km

Clear selection

24. 1 point

A train passes by a lamp post at platform in 7 sec. and passes by the platform completely in 28 sec. If the length of the platform is 390 metres, then the length of train (in metres) is

- ○ 120
- ◉ 130
- ○ 140
- ○ 150

Clear selection

25. 1 point

If a person walks at 15 kmph instead of 9 kmph, he would have walked 3 km more in the same time. What is the actual distance (in kms) travelled by him?

- 5.5
- 6.5
- 4.5 (selected)
- 7.5

Clear selection

26. 1 point

Suresh goes on a trip on his motor-cycle and rides for 410 kms. If he rides for 5 hours at a speed of 50 kmph, find at what speed he travels for the remaining 4 hours of the journey?

- 47 kmph
- 40 kmph (selected)
- 56 kmph
- 48 kmph

Clear selection

27. 1 point

After excluding stoppages, the speed of a bus is 60 kmph and after including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

- 10
- 9
- 12
- 15

28. 1 point

A missile travels at 1422 kmph. How many metres does it travel in one second?

- 395 metres
- 400 metres
- 364 metres
- 319 metres

29. 1 point

Ruchir walks at 20 kmph and Rukma cycles at 25 kmph towards each other. What was the distance between them when they started if they meet after 48 minutes?

- ◯ 54 km
- ◯ 45 km
- ◯ 36 km
- ◯ 27 km

30. 1 point

A train leaves a station A at 7am and reaches another station B at 11 am. Another train leaves B at 8 am and reaches A at 11:30 am. The two trains cross one another at

- ◯ 8:36 am
- ◯ 8:56 am
- ◯ 9:00 am
- ◯ 9:24 am

Submit Clear form