

APTITUDE QUIZ

1. If the price of sugar rises from Rs. 6 per kg to Rs. 7.50 per kg, a person, to have no increase in his expenditure on sugar, will have to reduce his consumption of sugar by

A.15

B.20

C.25

D.30

2. In a competitive examination in State A, 6% candidates got selected from the total appeared candidates. State B had an equal number of candidates appeared and 7% candidates got selected with 80 more candidates got selected than A. What was the number of candidates appeared from each State?

A.4000

B.8000

C.12000

D.16000

3. In a City, 35% of the population is composed of migrants, 20% of whom are from rural areas. Of the local population, 48% is female while this figure for rural and urban migrants is 30% and 40% respectively. If the total population of the city is 728400, what is its female population?

- A.324138
- B.349680
- C.509940
- D.None of these

4. A train is travelling at the rate of 45km/hr. How many seconds it will take to cover a distance of $\frac{4}{5}$ km?

- A.36 sec.
- B.64 sec.
- C.90 sec.
- D.120 sec.

5. A train 100 m long is running at the speed of 30km/hr. The time (in second) in which it passes a man standing near the railway line is:

- A.10
- B.11
- C.12
- D.15

6. A man walking at the rate of 5km/hr crosses a bridge in 15 minutes. The length of the bridge (in metres) is:

- A. 600
- B. 750
- C. 1000
- D. 1250

7. A train passes two bridges of lengths 800m and 400m in 100 seconds and 60 seconds respectively. The length of the train is

- A. 80 m
- B. 90 m
- C. 200 m
- D. 150 m

8. A train is 125 m long. If the train takes 30 seconds to cross a tree by the railway line, then the speed of the train is:

- A. 14 km/hr.
- B. 15 km/hr.
- C. 16 km/hr.
- D. 12 km/hr.

9. A train takes 18 seconds to pass through a platform 162 m long and 15 seconds to pass another platform 120 m long. The length of the train (in m) is:

- A. 70
- B. 80
- C. 90
- D. 105

10. A 120 metre long train is running at a speed of 90 km per hour. It will cross a railway platform 230 m long in:

- A. $4\frac{4}{5}$ seconds
- B. $49\frac{1}{5}$ seconds
- C. 7 seconds
- D. 14 seconds

11. A train travelling at a speed 30 m/sec crosses a platform, 600 metres long in 30 seconds. The length (in metres) of train is:

- A. 120
- B. 150
- C. 200
- D. 300

12. The ratio of lengths of two trains is 5:3 and the ratio of their speeds is 6:5. The ratio of time taken by them to cross a pole is

- A. 5:6
- B. 11:8
- C. 25:18
- D. 27:16

13. A truck covers a distance of 550 metre in 1 minute whereas a bus covers a distance of 33 kms in 45 minutes. The ratio of their speed is:

- (a) 4:3
- (b) 3:5
- (c) 3:4
- (d) 50:3

14. A train, 110 m long is running at a speed of 60 km/hr. How many seconds does it take to cross another train, 170 m long standing on parallel track?

- A. 15.6 sec
- B. 16.8 sec
- C. 17.2 sec
- D. 18 sec

15. The speed of 90 km/hour is same as

- A. 9 m/s
- B. 20 m/s
- C. 25 m/s
- D. 28 m/s

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

- A. 10 minutes
- B. 13 minutes 20 sec
- C. 13 minutes
- D. 11 minutes 20 sec

17. A man covers $\frac{9}{20}$ distance by bus and the remaining 10 km on foot. His total journey (in km) is

- A. 15.6
- B. 24
- C. 18.18
- D. 12.8

18. Ram travelled 1200 km by air which is formed $\frac{2}{5}$ of his trip. He travelled one-third of the trip by car and the rest by train. The distance (in km) travelled by train

- A. 480
- B. 800
- C. 1600
- D. 1800

19. In some quantity of ghee, 60% is pure ghee and 40% is vanaspati. If 10 kg of pure ghee is added, then the strength of vanaspati ghee becomes 20%. The original quantity was:

- A. 10 kg
- B. 15 kg
- C. 20 kg
- D. 25 kg

20. The price of a cycle is reduced by 25 per cent. The new price is reduced by a further 20 per cent. The two reductions together are equal to a single reduction of

- A. 45%
- B. 40%
- C. 35%
- D. 32.5%

ANSWERS

1. B

2. B

3. A

4. B

5. C

6. D

7. C

8. B

9. C

10. D

11. D

12. C

13. C

14. B

15. C

16. B

17. C

18. B

19. A

20. B

