

## APTITUDE QUIZ

**Q.1.**  $\left(\frac{31570x^2}{5}\right) = ?$

- (A) 202
- (B) 232
- (C) 242
- (D) 332

**Q.2. The square root of 64009 is :**

- (A) 253
- (B) 347
- (C) 363
- (D) 803

**Q.3. The digit in the unit's place in the square root of 15876 is :**

- (A) 2
- (B) 4
- (C) 6
- (D) 8

**Q.4.**  $\left(\frac{31570x^2}{5}\right) = ?$

- (A) 1.05
- (B) 1.25
- (C) 1.45
- (D) 1.55

**Q.5. The value of  $\binom{31570x2}{5}$  is**

- (A) 0.02
- (B) 0.2
- (C) 0.51
- (D) 0.63

**Q.6. The value of  $\binom{31570x2}{5}$  is**

- (A) 0.011
- (B) 0.11
- (C) 0.347
- (D) 1.1

**Q.7. The value of  $\binom{31570x2}{5}$  is**

- (A) 0.008
- (B) 0.08
- (C) 0.252
- (D) 0.8

**Q.8. What is the smallest number to be subtracted from 549162 in order to make it a perfect square?**

- (A) 28
- (B) 36
- (C) 62

(D) 81

**Q.9. The smallest number added to 680621 to make the sum a perfect square is :**

(A) 4

(B) 5

(C) 6

(D) 8

**Q.10. The greatest four-digit perfect square number is :**

(A) 9000

(B) 9801

(C) 9900

(D) 9981

**Q.11. A train moves past a telegraph post and a bridge 264 m long in 8 seconds and 20 seconds respectively. What is the speed of the train?**

(A) 69.5 km/hr

(B) 70 km/hr

(C) 79 km/hr

(D) 79.2 km/hr

**Q.12. A train takes 18 seconds to pass completely through a station 162m long and 15 second through another station 120 m long. The length of the train is :**

- (A) 70 m
- (B) 80 m
- (C) 90 m
- (D) 100 m

**Q.13. How many seconds will a 500 metre 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?**

- (A) 25
- (B) 30
- (C) 40
- (D) 45

**Q.14. A jogger running at 9 kmph alongside a railway track is 240 metres ahead of the engine of a 120 metre 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

**Q.15. A train 110 metres long is running with a speed of 60 kmph. In what time will it pass a man who is running at 6 kmph in the direction opposite to that in which the train is going ?**

- (A) 5 sec
- (B) 6 sec

- (C) 7 sec
- (D) 10 sec

**Q.16. Two trains 200 m and 150 m long are running on parallel rails at the rate of 40 kmph and 45 kmph respectively. In how much time will they cross each other, if they are running in the same direction?**

- (A) 72 sec
- (B) 132 sec
- (C) 192 sec
- (D) 252 sec

**Q.17. Two trains 140 m and 160 m long run at the speed of 60 km/hr and 40 km/hr respectively in opposite direction on parallel tracks. The time (in seconds) which they take to cross each other is :**

- (A) 9
- (B) 9.6
- (C) 10
- (D) 10.8

**Q.18. 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 second is :**

- (A) 36
- (B) 45
- (C) 48

(D) 49

**Q.19. A train 125m long passes a man, running at 5 kmph in the same direction in which the train is going, in 10 seconds. The speed of the train is :**

(A) 45 km/hr

(B) 50 km/hr

(C) 54 km/hr

(D) 55 km/hr

**Q.20. A train 110 m long passes a man, running at 6 kmph in the direction opposite to that of the train, in 6 second. The speed of the train is :**

(A) 54 km/hr

(B) 60 km/hr

(C) 66 km/hr

(D) 72 km/hr

## ANSWER

**1.B**

**2.A**

**3.C**

**4.B**

**5.D**

**6.C**

**7.C**

**8.D**

**9.A**

**10.B**

**11.D**

**12.C**

**13.B**

**14.C**

**15.B**

**16.D**

**17.D**

**18.C**

**19.B**

**20.B**

