

**Entrance Exam**

**Quantitative-Section (Sample Questions)**

**1. What is the % change in the area of a rectangle when its length increases by 20% and its width decreases by 20%?**

- A. 0%
- B. 20% increase
- C. 20% decrease
- D. 4% decrease
- E. Insufficient data to solve the above question

Ans : D

**2. A poultry farm has only chickens and pigs. When the manager of the poultry counted the heads of the stock in the farm, the number totaled up to 20. However, when the number of legs was counted, the number totaled up to 64. How many more pigs were there in the farm? Note: In the farm, each pig had 4 legs and each chicken had 2 legs.**

- A. 7
- B. 12
- C. 6
- D. 13
- E. 4

Ans : E

**3. Three years back, a father was 24 years older than his son. At present the father is 5 times as old as the son. What is the age of the son?**

- A. 12 years
- B. 6 years
- C. 3 years
- D. 9 years
- E. 27 years

Ans : B

**4. Out of 110 students who registered for a foreign language course, 20% more students opted for the French language course than those who registered for the German language course. How many students registered for the French language course?**

- A. 20
- B. 50
- C. 60
- D. 70
- E. 40

Ans: C

5. Of the 200 candidates who were interviewed for a position at a call center, 100 had a two-wheeler, 40 had a four-wheeler. If 80 students had neither a two-wheeler or a four-wheeler, how many of them had both?

- A. 0
- B. 20
- C. 10
- D. 40
- E. 50

Ans: B

6. The average weight of a group of 20 friends increases by 2 kgs when the weight of their football coach was added. If average weight of the group after including the weight of the football coach is 22 kg, what is the weight of their football coach ?

- A. 31 kg
- B. 66 kg
- C. 60 kg
- D. 62 kg
- E. 92 kg

Ans: D

7. The average of 5 numbers is 5. The average two of them is 10. What is the average of the remaining three numbers?

- A.  $5/3$
- B. 4
- C. 5
- D. 3.5
- E. 0.5

Ans A

8. If  $8k^2 - 2 = 0$  and  $k > 0$ , then  $k^2$  must equal which of the following?

- A.  $1/2$
- B.  $1/4$
- C.  $3/2$
- D. 2
- E. 3

Answer: B

9. Babar is 5 years older than Aslam. While Shakir is twice as old as Babar. Their ages when added together come out to be 55 years. What is Aslam's age.

- A. 20
- B. 15
- C. 10
- D. 5
- E. 7

Answer: C

10. If the cost price of 20 articles is equal to the selling price of 25 articles, what is the % profit or % loss made by the merchant?

- A. 25% loss
- B. 25% profit
- C. 20% profit
- D. 20% loss
- E. 5% profit

Answer: D