

Cognizant Aptitude Placement Paper

Q1. If $[x]$ indicates integral of x i.e is the largest integer less than x and $|x|$ indicates absolute value of x then what is the maximum value of $[x]/|x|$.

- A. 1
- B. 0
- C. C.-1
- D. None of these

ANS: A

Q2. In the above question what is the minimum value of $[x]/|x|$.

- A. 1
- B. 0
- C. C.-1
- D. None of these

ANS: D

Q3. What is the sum of even numbers in the group where 5 is present?

- A. 4
- B. 10
- C. 12
- D. 14

ANS: B

Q4. What is the count of numbers in each piece.

- A. 2,2,5
- B. 5,5,2
- C. 3,4,5
- D. 6,4,2

ANS: C

Q5. What is the count of numbers in each piece.

- A. 2,2,5
- B. 5,5,2
- C. 3,4,5
- D. 6,4,2

ANS: C

Q6. There is a circular track of length 400 mts. If A and B Starts at the same point but in opposite direction with a speeds of 8m/sec and 12m/s respectively. Then at what time after the beginning they will meet for the second time.

- A. 1hr 40 sec
- B. 20 sec
- C. 40sec
- D. 3hr 20 sec

ANS: C

Q7. In the above question when will they meet for the first time at the starting point.

- A. 1hr 40 sec
- B. 20 sec
- C. 40sec
- D. 3hr 20 sec

ANS: A

Q8. If the vertices of the triangle are A(1,2), B(-2,-3) and C(2,3) then which is the largest angle?

- A. Angle(ABC)
- B. Angle(BAC)
- C. Angle(ACB)
- D. None

ANS: B

Q9. If $[x]$ indicates integral of x i.e is the largest integer less than x and $|x|$ indicates absolute value of x then find the value of $[1.99] + [-2.99] + [1.03] + [2.50]$

- A. 2
- B. 1
- C. -2
- D. -5

ANS: A

Q10. If $X=6724$ then what is the end result after applying the above algorithm.

- A. A.19
- B. B.10
- C. C.1
- D. None

ANS: C