VITEEE Sample Questions

APTITUDE

1. A school has four sections A, B, C and D of Class IX students. The results of half-yearly and annual examinations are shown in the table given under:

Results	No of Students			
	Section A	Section B	Section C	Section D
Students failed in both the examinations	28	23	17	27
Students failed in half-yearly but passed in the annual examinations	14	12	8	13
Students passed in half-yearly but failed in the annual examinations	6	17	9	15
Students passed in both examinations	64	55	46	76

If the number of students passing an examination be considered as a criteria for comparison of difficulty level of the two examinations, which of the following statements is true in this context?

A) Half-yearly examinations were more difficult.
B) Annual examinations were more difficult.
C) Both the examinations had almost the same difficulty level.
D) The two examinations cannot be compared to difficulty level.

2. The variable C is an integer. Is C even?
Statements:
(a) C + 6 is even
(b) C - 5 is odd

A) If (a) alone is sufficient to answer the question.
B) If (b) alone is sufficient to answer the question.
C) If (a) and (b) together are necessary to answer the question.
D) If either (a) or (b) is sufficient to answer the question.

3. If SAUCER is coded as TBVBDQ, how is TOWN coded?
A) UPXO B) PUOX C) UPVM D) UPYM

4. Two statements are followed by a few conclusions i, ii, iii and iv. Assume the given statements to be true, even if they seem to be at variance with commonly known facts and choose your answer from the given choices A, B, C and D.

All bags are phones.
Some batteries are phones
Conclusions:
i. All phones are bags.
ii. All phones are batteries.
iii. Some bags are phones.
iv. Some bags are not batteries

A) (iv) follows B) (ii) follows C) (iii) follows D) (i) follows

5. An accurate clock shows 10 o'clock in the morning. Through how may degrees will the hour hand rotate when the clock shows 3 o'clock in the afternoon?
A) 144° B) 150° C) 168° D) 180°