



Date: 18-11-2024

LGS GROUP OF COLLEGES

Statistics

Assignment

XI

TEST#

WK-5

| | | | | | | | |
|---------------|------------|----------|--|--|--|--|-----------|
| Statistics | Name:..... | Roll No: | | | | | |
| Time: 40 mins | | | | | | | Marks =15 |

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct; fill that circle in front of that question within the answer-book. Cutting or filling two or more circles will result in zero mark in that question. (3 x 1 = 3)

(1) A non-orderly arrangement of things is called

(A) Combination

(B) permutation

(C) ordered

(D) non-orderes

(2) The probability of drawing an odd number from the set {1,2,3,4,5,6,7,8}

(A) $\frac{2}{3}$

(B) $\frac{2}{7}$

(C) $\frac{1}{2}$

(D) $\frac{3}{8}$

(3) The probability of an ace card from 52 playing cards is

(A) $\frac{4}{52}$

(B) $\frac{1}{4}$

(C) $\frac{1}{2}$

(D) $\frac{1}{26}$

SECTION - 1

Q2. Write short answer to any four (4) parts.

(4 x 2 = 8)

(i) Define set.

(ii) Solve $\frac{12!}{10!}$

(iii) Two coins are tossed find the probability at least one head.

(iv) A fair die is rolled find the probability an even number appear.

SECTION – II

(1x 4 = 4)

Q3. A pair of dice is thrown. if two numbers appearing are different. Find the probability that

(i) sum is 6 (ii) sum is 4 or less (iii) sum is even.