Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

M.Sc. (Fashion Marketing Management) (2018 Batch)   (Sem.–1)
STATISTICS FOR FASHION INDUSTRY
Subject Code : MSFMM-106-18 (Non Core)
M.Code : 75289

Time : 3 Hrs.   Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.**
2. **SECTION-B consists of THREE Sub-sections : Units-I, II & III.**
3. **Each Sub-section contains TWO questions each, carrying FIVE marks each.**
4. **Attempt any FOUR questions, ONE from each Sub-section and fourth from any sub-section.**

SECTION-A

1. **True/False :**

   a. The mean of a distribution is 10 and standard deviation is 3. The coefficient of variation is 0.3%.

   b. Median is the middle value in an ordered array of numbers

   c. A graph of cumulative frequency distribution is called pie chart.

   d. Normal distribution is mesokurtic.

   e. Normal distribution is cannot be multimodal.

   f. Binomial distribution can represent continuous or discrete random variables

   g. The degree of peakedness is called kurtosis.

   h. If the right tail is longer than left tail then the distribution is positively skewed

   i. When regression line passes through the origin, the intercept is zero   .

   j. In correlation, one variable may continuous and the other may be dichotomous in nature.

SECTION-B

UNIT-I

2. What is classification and tabulation of data? What is the difference between discrete and continuous frequency distribution?

3. Discuss the different non-probability sampling techniques.

UNIT-II

4. What are the different measures of central tendency? Discuss with the help of examples.

5. What is regression analysis? What is the procedure to determine the regression equation?

UNIT-III

6. From the following information to find if the means are significantly different from each other. The a =.05 and the critical value is 1.99.

$$n_1 = 33 \qquad n_2 = 35$$

$$\overline{x}_1 = 12.4 \quad \overline{x}_2 = 14.8$$

$$\sigma_1 = 2.9 \quad \sigma_2 = 1.8$$

7. a) Assuming Poisson distribution, $P(x = 4 \mid \lambda = 3.4)$;

   b) Assuming binomial distribution find $P(x < 2)$ if $n = 5$, and $p = 0.20$.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.