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Total No. of Pages : 02

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Master of Design (Fashion & Textiles) (2019 Batch) (Sem.-1)

**STUDY OF STATISTICS FOR APPAREL & TEXTILES**

Subject Code : MDFT-111-19

M.Code : 77096

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION A, B, C & D contains TWO questions each.
2. Attempt any FIVE Questions in all, selecting atleast ONE question from each Section
3. Each question carries TWELVE marks.

**SECTION-A**

Q1 What are the various modes of graphical data presentation? Explain with examples.

Q2 Find the median income of employees from the following data :

Income (Rs. ,000)	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of Employees	12	18	26	31	27	16	9

**SECTION-B**

Q3 Comment on the Coefficient of Variation of the following two variables X1 & X2 :

X <sup>1</sup>	26	28	31	24	29	41	29	33
X <sup>2</sup>	89	91	88	81	72	86	88	93

Q4 Find out the correlation between the Age (years) & Weight (kgs) of middle aged men :

Age (years)	35	36	37	38	39	40	41	42
Weight (kgs)	88	75	77	78	82	71	69	76

### SECTION-C

Q5 Discuss & differentiate between the various probability distributions.

Q6 Write notes on :

- a) Differences of means
- b) Differences of proportions

### SECTION-D

Q7 Explain the steps in testing of a hypothesis, giving examples.

Q8 10 students were given a course on statistics. The marks of students before and after the course is as under :.

Students	A	B	C	D	E	F	G	H	I	J
Marks Before Course	23	21	26	28	24	26	23	21	28	29
Marks After Course	32	19	24	32	38	31	24	26	27	26

Find out whether the course can be considered as successful. Test at 5% level of significance.

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.