

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

M.Sc (Fashion Design) (Sem.-3)

STATISTICS

Subject Code : MSFD302-20

M.Code : 90420

Date of Examination: 14-12-2022

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

2. **SECTIONS-A** consists of **FOUR** Subsections : Units-I, II, III & IV. Each Subsection contains **TWO** questions each carrying **TWELVE** marks each and student has to attempt any **ONE** question from each Subsection and **FIFTH** Question from any sub-section.

SECTION-A

UNIT-I

1. Define statistics in Singular and plural sense. What are the role of statistics in any research? Do you think that the knowledge of statistics can help a fashion design to understand market in a better way?
2. Calculate Mode from the following data:

Class Interval	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180
Frequency	4	6	20	32	33	17	8	2

UNIT-II

3. How does discrete probability distribution different from normal probability distribution? What are the advantages and assumptions of normal probability distribution?
4.
 - a) What do you mean by Type I and Type II errors? How the dealing with Type I error effects the Type II error.
 - b) What are the assumptions of one way analysis of variance? How it is different from two way analysis of variance?

UNIT-III

5. 10 cows were given treatment and their milk produce (in Kg) before the treatment and after the treatment were recorded and shown in the following table:

Before treatment	16	12	17	16	18	19	15	14	13	14
After treatment	19	16	18	17	17	19	16	15	16	15

Test whether there was any significant effect of treatment or not?

6. Differentiate correlation and regression. What is type of regression equation? Discuss with relevant example.

UNIT-IV

7. What are the methods of presentation of data? Illustrate your answer.
8. Define Chi Square Distribution: Explain its types. Illustrate your answer.

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