CDOE
MASTER OF COMPUTER APPLICATIONS (CBCS - 2020 COURSE)
M.C.A. Sem-I : WINTER :- 2021
SUBJECT: COMPUTATIONAL STATISTICS

Day : Thursday
Date 10/2/2022

W-23051-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 60

N.B.:

1) Attempt **ANY THREE** questions from Section-**I** and **ANY TWO** questions from Section-**II.**
2) Figures to right indicate **FULL** marks.
3) Answer to both sections should be written in **SAME** answer book.
4) Use of non- programmable **CALCULATE** is allowed.

SECTION-I

Q.1 What is statistics? Explain Importance of statistics in detail. **(10)**

Q.2 Calculate mean, median and mode for the following data: **(10)**

Classes	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	5	15	20	25	50	75	35	35

Q.3 Compute Coefficient of Quartile deviation for the following data: **(10)**

X	10	20	30	40	50	60
Freq.	4	7	15	8	7	2

Q.4 Explain the characteristics of a good statistical average. **(10)**

Q.5 Write short note on **(ANY TWO):** **(10)**

a) Geometric mean
b) Moments
c) Cumulative Frequency Distribution

SECTION-II

Q.6 Calculate Karl Pearson's coefficient of correlation from the following data: **(15)**

X	28	37	40	38	35	33	40	32	34	33
Y	23	32	33	34	30	26	29	31	34	38

Q.7 Find two regression equations for the following series. What is the most likely value of X when Y= 22? **(15)**

X	35	25	29	31	27	24	33	36
Y	23	27	26	21	24	20	29	30

Q.8 Explain the following:

a) Components of time series **(08)**
b) R programming **(07)**

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