

MASTER OF COMPUTER APPLICATIONS (C.B.C.S.)
M.C.A. SEM-III : WINTER : 2021
SUBJECT: EMPIRICAL METHODS FOR RESEARCHING INFORMATION
SYSTEMS

Day : Thursday
Date : 27-01-2022

W-11827-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 100

N.B.

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** answer book.

SECTION – I

- Q.1** What is research? Explain the characteristics of good research. Compare research process and SDLC. (15)
- Q.2** Explain the case study strategy of research with its advantages and disadvantages. (15)
- Q.3** Explain the Participant and Presentation P's of research in detail. (15)
- Q.4** Discuss the importance of literature review in research. What are the various sources of literature review? (15)
- Q.5** Write short notes on : (15)
- a) Ethnography
 - b) Sampling
 - c) Classification and tabulation

SECTION – II

- Q.6** Compare the dispersion of following series by using the coefficient of mean deviation. (20)

Age (Years) :	16	17	18	19	20	21	22	23	24	Total
No. of boys :	4	5	7	12	20	13	5	0	4	70
No. of girls :	2	0	4	8	15	10	6	3	2	50

- Q.7** Find mean, median and mode from the data given below : (20)

Marks obtained :	0-10	10-20	20-30	30-40	40-50	50-60
No. of students :	12	18	27	20	17	6

- Q.8** The following are the marks obtained by a group of students in two papers. (20)
Calculate the rank co-efficient of correlation.

Economics :	78	36	98	25	75	82	92	62	65	39
Statistics :	84	51	91	69	68	62	86	58	35	49

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