

**I.M.C.A. SEM–VII (2014 Course) CBCS : SUMMER - 2019**  
**SUBJECT: EMPIRICAL METHODS FOR RESEARCHING INFORMATION SYSTMS**

Day: Thursday  
Date: 25/04/2019

**S-2019-2140**

Time: 02.00 PM TO 05.00 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) Answers to both the sections should be written in **SAME** answer book.

**SECTION-I**

- Q.1** What is necessity for defining research problem? (15)
- Q.2** What are the advantages and disadvantages of Ethnography? (15)
- Q.3** Explain four data gathering methods with suitable example. (15)
- Q.4** Differentiate between qualitative and quantitative data analysis? (15)
- Q.5** Explain Prediction with suitable example. (15)
- Q.6** Define with examples: (15)  
i) Hypothesis ii) Level of significance  
iii) Type II error
- Q.7** Write short notes on any **TWO** of the following: (15)  
a) Types of interview techniques  
b) Measures of symmetry  
c) Triangulation

**SECTION-II**

- Q.8** Calculate the person's measure of Skewness on the basis of mean, mode and standard deviation. (20)

Mix Value (X):	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5
f	35	40	48	100	125	87	43	22

- Q.9** A die is rolled 100 times with the following distribution. (20)

Number:	1	2	3	4	5	6
Observed frequency :	17	14	20	17	17	15

At the 0.01 level of significance determine whether die is true (or uniform).

- Q.10** From the following data, obtain the two regression equations: (20)

Sales	91	97	108	121	67	124	51	73	111	57
Purchases	71	75	69	97	70	91	59	61	80	47

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