M. B. A. (Sem. II) (CBCS) Examination

April / May – 2017

Research Methodology

Time : **3** Hours]   [Total Marks : **70**

1   Define the term "Research". What are the steps for process of conducting a research?

OR

1   Define the term "Research". Explain different types of Research in detail.

2   (a)   Write a note on various types of Research Design.

   (b)   What is Research Problem? Give the process of identification of research problem in detail.

OR

2   Calculate Chi-square: Are the coins biased?

Eight coins were tossed 256 times and the following results were obtained :

Numbers of heads	0	1	2	3	4	5	6	7	8
Frequency	2	6	30	52	67	56	32	10	1

(5 per cent level of significance = 15.507)

3   Explain, all the different methods of Data Collection along with advantages and disadvantages in detail.

OR

3   What is Sampling ? Briefly explain Probability and Non-probability sampling methods with suitable examples.

4 (a) Write a note on Case study method of Research with an example.

(b) Write a note on Measurement and Scaling Techniques of Research.

OR

4 The following are the number of words per minute which a secretary typed on several occasions on three different typewriters :

Typewriter 1	71	78	70	69	77	72	65	69
Typewriter 2	74	76	72	70	69	68	72	73
Typewriter 3	70	72	66	64	63	67	69	70

Test whether the differences among the mean of the three samples (typewriters) can be attributed to chance. You may use a 5 per cent level of significance. (5% = 3.47)

5 Write Short Notes : (any **two**)

(a) Explain in detail the advantages of using computers in Research.

(b) Briefly describe the layout of a Research Report, covering all relevant points.

(c) Data processing : Editing, Coding, Classification and Tabulation.

————