PBT-010-008101   Seat No. _____

M. Phil. (Busi. Mgt.) (Sem. I) (CBCS) Examination

November / December - 2018

Research Methodology

Faculty Code : 010

Subject Code : 008101

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

1   Define the term "Research". Discuss the process of research.

<div align="center">OR</div>

1   What is business research. Explain different types of Research in detail.

2   What is Research Problem? Give the process of identification of research problem in detail.

<div align="center">OR</div>

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, different methods of Data Collection with its advantages and disadvantages.

<div align="center">OR</div>

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

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

<div align="center">**OR**</div>

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.

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