

END OF SEMESTER EXAMINATIONS, APRIL / MAY-2017  
RESEARCH METHODOLOGY AND STATISTICAL METHODS  
SUBJECT CODE: 14P3EC07

MAJOR: M.A. ECONOMICS  
TIME : 3 HOURS

SEMESTER : II  
MAX.MARKS: 70

**SECTION - A ( 5 X 4 = 20 )**

**Answer ALL Questions:**

1. a) Explain the objectives of research.  
(OR)  
b) Discuss the formulation of research problem.
2. a) Write a note on Probability sampling.  
(OR)  
b) Elucidate the different sources of secondary data.
3. a) Synthesise the properties of arithmetic mean.  
(OR)  
b) Differentiate mean deviation from standard deviation.
4. a) Describe the properties of probability distribution.  
(OR)  
b) Elucidate the properties of normal distribution.
5. a) Analyse the steps in writing reports.  
(OR)  
b) Discuss the importance of footnotes and bibliography.

**SECTION - B ( 5 X 10 = 50 )**

**Answer ALL Questions:**

6. a) Write a note on the different types of research.  
(OR)  
b) Describe the formation and testing of hypotheses.
7. a) Analyse the methods of collecting primary data.  
(OR)  
b) Differentiate census method of collecting data from sampling method.
8. a) Calculate Mean, Median and Mode from the following data:

Marks:	0 - 10	10 - 20	20 - 30	30 - 40	40 - 50
No. of Students:	5	7	15	25	8

(OR)

- b) Estimate Co-efficient of Variation for the data given below:

Marks:	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100
No. of Students:	8	12	30	20	10

9. a) Discuss parametric and non-parametric tests.  
(OR)  
b) A die is thrown 150 times with the following results:

No. Turned up:	1	2	3	4	5	6
Frequency:	19	23	28	17	32	31

Test the hypothesis that the die is unbiased.

10. a) Explain the mechanics of writing research report.  
(OR)  
b) Analyse the layout of a research report.

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