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Unit-IV

8. What is the meaning of report? Describe the different types of report stating their utility. 10
9. Prepare a commonly used format of a research report. 10

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B.M.S. (Semester-IV) Examination, 2015

(Regular/ Back Paper)

RESEARCH METHODOLOGY

(BMS-405)

Time Allowed : Three Hours] [Maximum Marks : 70

Note : Answer five questions in all. Question No.1 is compulsory carrying 30 marks. Attempt one question (with all its sub-parts) from each unit carrying 10 marks each.

1. Answer the following questions in short:

3 × 10 = 30

- (a) What is the need of defining a research problem?
- (b) Explain scientific method in research.
- (c) What is research Methodology
- (d) Distinguish between quantitative and qualitative research.

(2)

- (e) What is empirical research? .
- (f) Discuss the merits and demerits of survey method.
- (g) What do you mean by universe?
- (h) Discuss the concept of significance level.
- (i) What is meant by data interpretation?
- (j) What is the importance of references in report writing?

Unit-I

- 2. What is research? What are the criteria of a good research? Briefly discuss the various types of research. 10
- 3. What is research process ? Briefly discuss the various steps involved in research process. 10

Unit-II

- 4. What is the meaning of sampling? Briefly discuss the various methods of probability and non-probability sampling. 10

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- 5. What do you mean by primary data and secondary data? Briefly discuss the various methods of collecting primary data. 10

Unit-III

- 6. The following results are obtained from a sample of 10 boxes of biscuits: 10
Mean weight of content = 490 gms.
Standard deviation of the weight = 9 gms.
Could the sample come from a population having a mean of 500 gms.
(For $v= 9, t_{0.05}=2.262$)
- 7. In an experiment on immunization of cattle from tuberculosis, the following results were obtained. Using Chi-Square test, examine the effect of vaccine in controlling susceptibility to the tuberculosis. 10

	Died or effected	Not effected
Inoculated	12	26
Not Inoculated	16	6

(Given: Table value for $v=1, X^2_{0.05} = 3.84$)

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P.T.O.