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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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**MS-3213**

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

MS-3213

(3)

- 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  $v=1, X^2_{0.05} = 3.84$ )

MS-3213

P.T.O.