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 M. D. H. P. C. H. O. U. H. A. S. I.

Time: 3:30 hrs

Psy-201-D, Course Work Test  
 (Jan. - July, 2015)

Marks: 120

Note: Attempt one question from each of the first five units. Q. No. 11 (Unit VI) is compulsory. Each question carries equal marks.

**UNIT I**

1. Define research. Discuss the process of planning a research project.
2. What is the need of Review of Literature? Discuss the steps involved in conducting it.

**UNIT II**

3. Compare Historical and Experimental methods of research.
4. Discuss the qualitative methods of conducting research.

**UNIT III**

5. What is sample? Discuss the difference between probability and non-probability sampling.
6. Discuss the development of a research institution with examples.

**UNIT IV**

7. In a test of Verbal Reasoning, a sample of college going boys and girls scored as:

	N	Mean	S.D.
Boys	30	75	10
Girls	40	70	8

Assume that the scores are normally distributed. Will the difference between scores significantly differ? Will the difference in scores of similar groups of boys and girls significantly be same? Will the difference in means be reduced to zero, or even reversed in favour of girls?

8. Explain the concept and uses of biserial correlation. Compute and interpret  $r_{bs}$  for the following set of data where scores on aptitude test are given for training and no-training groups:

Scores	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Training group	0	2	3	7	10	4	3	2
No-Training group	3	0	5	4	10	4	4	2

**UNIT V**

9. Discuss the criteria of a good research proposal.
10. Discuss the criteria for evaluation of research.

**UNIT VI**

11. Write short notes on the following:
  - (i) Trend Analysis
  - (ii) Types of Hypotheses
  - (iii) Content Analysis
  - (iv) Interview
  - (v) Triangulation