

**Ph.D. PROGRAMME IN PSYCHOLOGY  
(PHDPC)**

**Term-End Examination**

**June, 2015**

00226

**RPC-001 : ADVANCED RESEARCH  
METHODOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** *All sections are compulsory. Read the instructions carefully before attempting each section.*

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**SECTION A**

*Answer any ten of the following questions in about 50 words each. All questions carry equal marks. 10×4=40*

1. Briefly explain the different types of research design. 4
  
2. Discuss the advantages of 'Parametric' and 'Non-Parametric' statistics. 4

3. By lengthening the test, how can validity be increased? 4
4. What are the general guidelines for item writing? 4
5. Discuss the process involved in evaluating a research report. 4
6. Discuss the difference between research problem and research hypothesis. 4
7. Delineate the different steps in constructing a psychological test. 4
8. Briefly elucidate the different types of 'Survey Research'. 4
9. Differentiate between 'experimental' and 'non-experimental' research. 4
10. Discuss the uses of measurement in the field of psychology. 4
11. Discuss essay item or free answer item. 4

## SECTION B

*Answer any five of the following questions in about 200 words each. All questions carry equal marks. 5×6=30*

12. Discuss the different stages in research. 6
13. Discuss the different types of 'Rating Scales' with examples. 6
14. Discuss norm referencing and criterion referencing in test construction. 6
15. Discuss the different biases of a researcher that would confound the results. 6
16. What are the different advantages and disadvantages of different sampling methods? 6
17. Discuss the process, advantages and disadvantages of ethnographic research. 6

## SECTION C

*Answer any two of the following questions in about 500 words each. All questions carry equal marks. 2×15=30*

- 18.** Discuss the meaning and types of variables highlighting the methods to control extraneous variables. 15
- 19.** Define Research Design. Discuss the concept, types and implications of 'True Experimental Design' and 'Quasi Experimental Design'. 15
- 20.** Discuss the use of between-subjects and within-subjects experimental design, with examples. 15
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