

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

Term-End Examination

December, 2015

**RPC-001 : ADVANCED RESEARCH
METHODOLOGY**

Time : 3 hours

Maximum Marks : 100

Note : (i) *All Sections are compulsory.*
(ii) *Read the instructions carefully before attempting each Section.*

SECTION - A

Answer **any 10** of the following questions in about 50 words each. Each question carry **equal** marks.

10×4=40

1. Discuss the characteristic features of laboratory experiment and field experiment, highlighting the advantages. **4**
2. Discuss the methods of formulating a 'hypothesis'. Elucidate the features of a good hypothesis. **4**
3. Define and differentiate between construct and variables. **4**
4. Elucidate the principles of research design. **4**
5. Discuss the advantages and disadvantages of a factorial research design. **4**

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| 6. | Describe random selection and random assignment in an experimental research. | 4 |
| 7. | What are the characteristic features of a research proposal ? | 4 |
| 8. | Define and describe literature review highlighting the need for the same. | 4 |
| 9. | Define and discuss the advantages and disadvantages of ex post facto study. | 4 |
| 10. | Elucidate the different psychological scaling methods. | 4 |
| 11. | Discuss observation as a method of data collection. | 4 |

SECTION - B

Answer **any 5** of the following questions in about **200** words each. All questions carry **equal** marks.

5x6=30

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| 12. | Discuss the importance of structure and format of a research report. Give examples. | 6 |
| 13. | Elucidate the function of "norms" in a Psychological test. Indicate how the norms are set for a test. | 6 |
| 14. | Discuss 'interview' as a technique of data collection in a research study. | 6 |
| 15. | Discuss the general methods of scoring objective items. | 6 |

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| 16. | Differentiate between Scientific and Social Science research. | 6 |
| 17. | Discuss the methods of conducting longitudinal and cross sectional research. | 6 |

SECTION - C

Answer **any 2** questions in about **500** words each.

All questions carry **equal** marks.

15x2=30

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| 18. | Discuss the different types of research designs with suitable examples. | 15 |
| 19. | Explain the different methods of sampling. Indicate the process by which the researcher decides the sample size. | 15 |
| 20. | Explain the different types of qualitative research design. Highlight the mixed - approach in Research. | 15 |
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