

PG Odd Semester (CBCS) Exam., December—2016

EDUCATION

(1st Semester)

Course No. : ED-105 (C)

**(Research Methodology and Statistics
in Education)**

Full Marks : 75

Pass Marks : 30

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. (a) Describe the importance and scope of educational research. 7½
(b) Explain the contribution of scientific method for acquiring knowledge. 7½

OR

2. (a) Describe the salient features of historical method of research. 7½
(b) Explain the meaning and steps of applied research. 7½

3. (a) What is research problem? Describe its significance in the educational research. 7½
(b) Describe the needs and importance of review of related literature in educational research. 7½

OR

4. (a) Distinguish between null hypothesis and alternative hypothesis. 7½
(b) Explain the paradigm of pretest-post control group design. 7½
5. (a) Describe the steps necessary to construct a questionnaire. 7½
(b) Distinguish between tools and techniques in educational research. 7½

OR

6. (a) Describe the procedures which are helpful in the analysis of qualitative data. 7½
(b) Distinguish between qualitative and quantitative data. 7½
7. (a) Describe the characteristics of different types of non-probability sampling techniques. 7½
(b) Prepare a general format of a research proposal. 7½

(3)

OR

8. (a) Elaborate the style and format of writing the research report. 7½
- (b) Differentiate between probability sampling and non-probability sampling. 7½
9. (a) Explain the characteristics of normal probability curve. 7½
- (b) Discuss the uses of mean, median and mode. 7½

OR

10. (a) What is inferential statistics? Explain. 7½
- (b) Distinguish between *t*-test and ANOVA with examples. 7½

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