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

EDUCATION (M.Ed)

**( 1st Semester )**

Course No. : MEDCC–104

**( Introduction to Educational Research and Statistics )**

*Full Marks* : 70
*Pass Marks* : 28

*Time* : 3 hours

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

**1.** *(a)* Explain in brief the important emerging area of educational research in Indian context. 3+6=9

*(b)* Describe the important sources of knowledge. 5

**OR**

**2.** *(a)* What is educational research? 5

*(b)* Explain fundamental and applied research with suitable illustrations. 9





**3.** *(a)* What are the criteria and sources of identifying research problem? 4+4=8

*(b)* Explain the characteristics of good research problem. 6

**OR**

**4.** *(a)* Describe in brief the important objectives of review of literature. 8

*(b)* What are the rationale of research problem based on review? 6

**5.** *(a)* Define hypothesis. 5

*(b)* Explain statistical hypothesis with suitable example. 9

**OR**

**6.** *(a)* What is sampling frame? 5

*(b)* Explain non-probability sampling and describe the situation where non-probability sampling technique can be used to select sample. 5+4=9

**7.** *(a)* What are the important components of research paper? 5

*(b)* Describe the outline of good research proposal. 9

**OR**

**8.** *(a)* What is Ex post facto research? 5

*(b)* Explain the difference between Ex post facto and experimental research. 9

**9.** *(a)* What is scale level of measurement? 5

*(b)* Explain the important level of measurement with example. 9

**OR**

**10.** *(a)* Calculate median and quartile deviation from the following data : 4+5=9

5, 8, 15, 9, 4, 11, 7, 17, 20, 18, 12, 11, 3

*(b)* Write short note on uses of central tendency in data interpretation. 5

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