MASTER OF EDUCATION (M.Ed)

Term-End Examination

June, 2010

02168

MES-054 : METHODOLOGY OF EDUCATIONAL RESEARCH

Time : 3 hours   *Maximum Weightage : 70%*

Note :   (i)   *All the questions are compulsory.*

      (ii)   *All the questions carry equal weightage.*

1. *Answer the following questions in about 600 words :*

Differentiate between positivist and non-positivist or anti-positivist approaches to educational research. Explain, with an example, how positivistic and non-positivistic approaches can be applied together for a research problem in education.

OR

Differentiate between experimental research and ex-post facto research. Describe, with an example, the steps of conducting an ex-post facto research in education.

2. Answer the following question in about **600** words.

Explain the meaning and characteristics of a hypothesis. Discuss, with examples, various types of hypothesis.

OR

What is a 'test' ? Discuss the various characteristics which you need to look into while selecting a test as tool for educational research.

3. Answer *any four* of the following questions in about **150** words each :

(a) What is qualitative research ? Mention the characteristics of qualitative research.

(b) What are sampling errors ? Mention different ways to minimizing sampling error.

(c) Differentiate between nominal scale and interval scale with examples.

(d) Differentiate between cross sectional study and longitudinal study with the help of examples.

(e) What are the characteristics of normal probability curve ? Discuss its applications briefly.

(f) Discuss ethical issues to be considered while reporting research findings.

4. In the table below, data represent the number of boys and the number of girls who chose each of the three possible answers to an item on an environmental awareness questionnaire. Test whether the item differentiates significantly between boys and girls.

	Yes	No	Undecided	Total
Boys	25	15	5	45
Girls	20	12	8	40
Total	45	27	13	85

The Chi-Square critical values for 2 df as given in the Table E are 5.991 and 9.210 respectively for 0.05 and 0.01 levels of significance.