Professional Course Examination, May 2019

(2nd Semester)

MASTER OF EDUCATION

(Introduction to Research Methods and Statistics in Education)

Full Marks : 60

Pass Marks : 24

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer *any* **five** questions

1. What is meant by educational research? Explain how scientific method is used to acquire knowledge in educational research. 4+8=12

2. Explain the steps which the researcher may adopt in conducting the descriptive type of research. 12

3. Define the term hypothesis. What are the different types of hypothesis? Describe the criteria for stating good hypothesis. 4+2+6=12

4. Identify a research problem in any area of education of your choice indicting the rationale and objectives of the selected problem. 12

5. Differentiate between population and sample. Explain the various factors to be considered in deciding sample size. 6+6=12

6. Distinguish between probability and non-probability sampling technique. Explain any two non-probability sampling techniques commonly used in educational research. 6+6=12

[*Contd.*

7. Explain the various scales of measurement. In your opinion, which scale of measurement is most useful in educational research and why? 6+2+4=12

8. What is meant by correlation-coefficient? Calculate the coefficient of correlation by product moment method : 4+8=12

Students	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*
Maths	78	36	98	25	75	80	25	62	36	40
SS	84	54	36	60	54	92	36	62	36	68

9. Write short notes on any *two* of the following : 6×2=12

   (a) Action research

   (b) Literature search

   (c) Steps for organizing data into frequency distribution

   (d) When to use mean, median and mode

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