c) What is meant by case study ? Discuss its advantages and limitations.                1+5

d) What is a research problem ? Discuss the criteria for evaluation of a research problem.                1+5

3. Answer *any three* of the following (in about 60 words each) :                2×3=6

a) What is Ex-post-facto research ?

b) Define probability sampling.

c) What is meant by Predictive validity ?

d) Give four examples of Extraneous variable.

e) Mention the basic principles of Experimental Design.

**MASTER OF ARTS EXAMINATION, 2018**

( 1st Year, 1st Semester )

**EDUCATION**

**COURSE - IV**

( **METHODOLOGY OF EDUCATIONAL RESEARCH AND EDUCATIONAL STATISTICS-1** )

Time : Two hours                Full Marks : 30

The figures in the margin indicate full marks.

1. Answer *any one* of the following (in about 500 words) :                12×1=12

a) Give the logical meaning of reliability. Briefly discuss the methods of estimating reliability of a research tool.                2+10

b) What is educational research ? Discuss the special characteristics and different steps of educational research.                2+10

2. Answer *any two* of the following (in about 250 words each) :                6×2=12

a) What is hypothesis ? Point out the importance of hypotheses in educational researches.                1+5

b) What is meant by rating scale ? Give examples of different types of rating scales.                1+5

[ Turn over