2017

(December)

EDUCATION

Course No. EDNC: 105

Research Methodology in Education II

Full Marks: 37½

Time: 1½ hours

The figures ion the margin indicates full marks for the questions.

Answer question **No. 5** and any **two** from the rest.

1. Explain the historical method of research in detail. Describe the various sources for data collection.   7+8= 15

2. What is the need and importance of case study? Describe the steps involved in conducting a case study. Point out its strengths and limitations.   4 + 7+ 4 = 15

3. (a) Explain the concept and characteristics of Sampling Distribution of mean.

   (b) The mean and SD of 400 students in a test were found to be 42 and 8. Estimate the Mean score of the population at both 95% and 99% confidence interval.
   5+10 = 15

4. (a) Explain one-tailed and two-tailed tests.

   (b) A test of arithmetic reasoning was administered on 31 ten year old boys and 42 ten year old girls. Establish the mean difference between the groups. The mean and SD of the distribution scores is given below:
   6 + 9 = 15

Sex	M	SD	N
Boys	40.39	8.69	31
Girls	35.81	8.33	42

5. Write short notes on any **one** of the following   7½

   (a) Ex-post facto research.

   (b) Statistic and Parameter.