

2016

(December)

Education

Course No : EDNC – 105

**Research Methodology in Education – II**

Full Marks : 37½

Time : 1½ hour

The figure in the margin indicate full marks for the question

Answer Question No 5 and Any Two from the rest

1. Describe the need and importance of descriptive type of research in education. Explain the steps involved in conducting a school survey. 7+8=15
2. What is experimental research? Describe the steps of conducting an experiment in educational research. Explain various control mechanism used in an experimental design? 4+6+5=15
3. (a) Explain the concept of sampling distribution of Mean and Standard Error of Mean  
(b) The Mean and SD of 100 students on a numerical ability test is 65 and 10 respectively. Determine the .99 and .95 confidence interval for the population mean. 6+9=15
4. (a) Explain the concept of degree of freedom.  
(b) A test of abstract reasoning was administered to boys and girls of X grade. The following data was obtained  

	N	M	$\sigma$
Boys	95	25	12
Girls	85	30	10

Is the difference between the means of boys and girls significant? Find out 5+10=15
5. Write short notes on **any one** of the followings 7½
  - (a) Case study
  - (b) One tailed & Two tailed Test