PG Odd Semester (CBCS) Exam., December—2016

EDUCATION

(1st Semester)

Course No. : EDNCC–105

(Methodology of Educational Research)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. *(a)* Describe the nature and importance of educational research. 3+4=7

(b) Define the terms 'variable' and 'construct' and distinguish between variable and construct. 3+4=7

OR

2. *(a)* What are the principles of experimental research? Explain its various types. 4+3=7

(b) Distinguish between basic research and applied research. 7

3. *(a)* Describe the term 'research problem' and explain its selection procedure. 3+4=7

(b) What are the different sources and steps of review of related literature? 4+3=7

OR

4. *(a)* Elaborate the importance and sources of hypothesis. 3+4=7

(b) Distinguish between null hypothesis and alternative hypothesis. 7

5. *(a)* Describe the steps of survey research with suitable examples. 7

(b) Indicate the types of probability sampling. Discuss the procedure of simple random sampling. 3+4=7

OR

6. *(a)* Distinguish between subjective and objective tools of research. 7

(b) What is interview schedule? Describe the steps of developing an interview schedule. 2+5=7

7. *(a)* Explain the procedure of qualitative data analysis in educational research. 7

(b) Distinguish between qualitative and quantitative data. 7

OR

8. *(a)* Prepare a standard format of a research proposal. 7

(b) Explain the styles and format of a research report. 7

9. *(a)* Discuss the uses of inferential statistics in research. 7

(b) How are histogram and pie diagram use in the graphical representation of data? 7

OR

10. Answer the following questions :

(a) Calculate mean, if fx 248 and N 31. 3

(b) Find median for the following list of values : 3

l 14 5, F 13, f_m 26, N 76 and i 5

(c) Calculate Spearman correlation coefficient ( ), if d^2 100 and n 9. 3

(d) Calculate ^{2} for the following 2 2 contingency table : 5

Test Item

	Fail	*Pass*	
Successful	20	40	60
Unsuccessful	25	15	40
	45	55	100

★ ★ ★