

Exam.Code:0009

Sub. Code: 0725

1128

**B.A./B.Sc. (Hons.) Fifth Semester
Public Administration
Paper – III: Research Methods and Statistics**

Time allowed: 3 Hours

Max. Marks: 90

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short notes on any nine of the following:-

- a) Define Social Research
- b) Mention two types of Hypothesis?
- c) What is Survey Research?
- d) Give two advantages of observation method.
- e) Give two characteristics of Questionnaire.
- f) Give two disadvantages of Interview Method.
- g) Give two importance of Research Design.
- h) What is Tabulation?
- i) Give two uses of Computer.
- j) What is frequency distribution?
- k) What is Rank Correlation?
- l) What precautions are to be taken in applying Chi-Square test? (9x2)

UNIT – I

- II. Give the meaning, nature and scope of Social Research. (18)
- III. What is Research Design? Give its types and components. (18)

UNIT – II

- IV. Define Observation? Explain its different methods with its merits and demerits. (18)
- V. Write a detailed note on Report Writing. (18)

P.T.O.

(2)

UNIT - III

- VI. What is sampling? Give its types and merits. (18)
- VII. Discuss various measures of central tendency. (18)

UNIT - IV

- VIII. What do you understand by Dispersion? Explain briefly the various methods used for measuring dispersion. (18)
- IX. From the data given below about the treatment of 250 patients suffering from a disease, state whether the new treatment is superior to the conventional treatment:

Treatment	No. of Patients		
	Favourable	Not Favourable	Total
New	140	30	170
Conventional	60	20	80
Total	200	50	250

(Given for degree of freedom=1, chi-square 5 percent=3.84)

Carry out the Chi-Square test as per testing procedure. (18)

$x-x-x$