

1127

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. Attempt any nine of the following in about 25-30 words each:-

- a) What is exploratory research?
- b) Give three characteristics of hypotheses.
- c) Write two limitations of survey method.
- d) Give different types of concepts.
- e) What are the different methods of field observation?
- f) State the utility of computers in social research.
- g) Differentiate between sample and census.
- h) What precautions are to be taken in applying chi-square test?
- i) Write the objectives of studying averages.
- j) Differentiate between mean deviation and standard deviation.
- k) What is meant by measures of central tendency?
- l) What are the steps in frequency distribution?
- m) State the properties of good measure of dispersion.
- n) What is the significance of studying correlation? (9x2)

UNIT – I

- II. Discuss the meaning, nature and scope of social research. (18)
- III. How is survey method different from case study method? Evaluate their relative importance in social research. (18)

UNIT – II

- IV. Enumerate the difference sources of collecting data. (18)
- V. Write a detailed note on Report Writing. (18)

P.T.O.

(2)

UNIT – III

- VI. Define sampling. What are the advantages of sampling? Describe the various sampling techniques used in social research. (18)
- VII. An incomplete distribution is given below:-

Variable:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
Frequency:	10	20	?	40	?	25	15

- a) You are given that the median value is 35. Find out missing frequency (given the total frequency is 170)
- b) Calculate the Arithmetic Mean of the completed table. (18)

UNIT – IV

- VIII. What do you understand by Dispersion? Explain the various methods used in measuring dispersion. (18)
- IX. Given below are the monthly income and net savings of a sample of 7 supervising staff belonging to a firm. Calculate the correlation coefficient.

Employee No.	1	2	3	4	5	6	7
Monthly Income (Rs.)	780	360	980	250	750	820	900
Net Savings (Rs.)	84	51	91	60	68	62	86

(18)

x-x-x