2012

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 <u>any nine</u> of the following in 25-30 words each:-

  i)   Bring out the difference between Social Research and Scientific Research.
  ii) What are Directional and Non-directional hypotheses?
  iii) Briefly explain the characteristics of the Case Study method of social research.
  iv) Compare and contrast Interview with questionnaire method of data collection.
  v)   How are computers used in the field of social research?
  vi) What are the different stages in Report Writing?
  vii) Briefly describe the characteristics of a good Research Report.
  viii) What points are to be kept in mind while preparing a frequency distribution in respect of the number of classes?
  ix) What are the requisites of a good average?
  x)   Explain the types of Correlation.
  xi) What is the significance of the study of correlation? Explain
  xii) Mention the uses of Chi-Square Test.

                                                                  9x2=18

Unit I

II. Discuss the meaning, nature and scope of Social Research.   18
III. Describe the meaning and types of Research Design.   18

Unit II

IV. Discuss observation as a method of data collection along with its merits and demerits.   18

V.   Describe the importance of editing, coding and tabulation of data in the context of research study.   18

Unit III

VI. What do you understand by Sampling? Discuss the merits and demerits of Sampling.   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

  (i) You are given that the median value is 35. Find out the missing frequency (given the total frequency =100)

                                                                  P.T.O.

(ii)   Calculate the arithmetic mean of the completed table.   (18)

Unit IV

VIII.   Calculate the Standard Deviation from the following data:

Age under	10	20	30	40	50	60	70	80
No. of persons dying	15	30	53	75	100	110	115	125

·IX.   The following table gives indices of industrial production of registered unemployed (in lakhs). Calculate Karl Pearson's coefficient of correlation.

Year	:	2008	2009	2010	2011	2012	2013	2014	2015
Index of Production	:	100	102	104	107	105	112	103	99
Number of Unemployed	:	15	12	13	11	12	12	19	26

(18)

x-x-x