Departmental Examination of Other Gazetted Officers of Himachal Pradesh

JUNE 2018

Paper No.3 Economics and Statistics   Max. Marks:100
Time Allowed: Three Hours

Note:- Attempt any five questions. All questions carry equal marks.

Question I   Describe the concept of National Income and State Income at current and constant price? What do you understand by the term Per Capita Income, Explain?

Question III   (a) Mention the steps to be taken before initiating the work of collection of data and what is meant by statistical enquiry?
            (b) Prepare a questionnaire for the survey of your choice, with ten important questions?

Question IV   (a) Explain the usefulness of diagrams in presenting statistical data
            (b) What, in your opinion, are the tests of a good diagram?

Question V   (a) Describe fully what is meant by correlation and distinguish between positive and negative correlation?
            (b) In a cricket match a coin is tossed, what is the probability that tail will appear?

Question VI :   (a) What do you mean by weights? Why are they assigned? Point out a few cases in which weighted average should be used?
            (b) What are the issues involved in the construction of an Consumer Price Index number ?

Question VII: (a) (a)What is the relationship of Mean, Quartile and Standard Deviation in a symmetrical distribution?
            (b) Monthly incomes of the families are given below in rupees:
      2000, 35, 400, 15, 40, 1500, 300, 6, 90, 250, 20, 12, 450, 10, 150, 8, 25, 30, 1200, 60.
Calculate the geometric mean of the above series?

Question VIII: Write short notes on any four
            (vi)   Normal Distribution
            (vii) Seasonal Variations
            (viii) Economic Census
            (ix)   Moving averages
            (x)   t-test