

**DEPARTMENT EXAMINATION OF OTHER GAZETTED OFFICERS OF HIMACHAL
PRADESH AUGUST, 2006**

Paper-3 Economics and Statistics

Time Allowed:3 Hours

Max. Marks:100

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

Q.No.1 a) Define the terms Primary and Secondary methods of data collection and in what Special circumstances are two methods suitable?

b) Design a questionnaire to ascertain the view of the people concerning the measure to be undertaken for improving the Environment in the city?

Q.No.II a) Explain the usefulness of diagrams in presenting statistical data

b) What, in your opinion, are the test of a good diagram?

Q.No.III a) Define the Various M's of central tendency. What purpose do their measurement Serve?

b) What is the importance of statistics to the Businessman. the Economist and Government.

Q.No.IV Calculate the mean deviation from the following data. What light does it throw on The social conditions of a the community?

Difference in years	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
Frequency	449	705	507	281	109	52	16	4

Q.No.V a) Define index number and show the importance and the use of general index Numbers?

b) What problems are involved in the construction of an index number of prices?

Q.No.VI a) In Himachal Pradesh the ratio of males to females is 1000: 968. if this tendency is to Continue, what is the chance that a newly born baby is female?

b) In a beauty contest two judges rank the 10 participants in the following order

Individual	1	2	3	4	5	6	7	8	9	10
Ranking by I	6	4	3	1	2	7	9	8	10	5
Ranking by II	1	1	6	7	5	8	10	9	3	2

Is there any concordance between the two judges?

Q.No.VII Describe the Statistical System in India? What is the role of the Central Statistical Organization and National Sample Survey Organisation?

Q.No.VIII Write short notes on any four

- i) Sample and Census Survey
- ii) Moving average
- iii) Random Sampling
- iv) Gross State Domestic Product
- v) Line of best fit
