

Departmental Examination of other Gazetted Officers of H.P.

April, 2014

Paper No.3
Economics and Statistics

Time Allowed: 3 hours

Maximum Marks: 100

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

Q.I Demonstrate the functions and utility of statistics in government organizations with the help of suitable examples.

Q.II Calculate the Median from the following table:

Marks	10-25	25-40	40-55	55-70	70-85	85-100
No. of students	6	20	44	26	3	1

Q.III Highlight the functions of the Department of Economics and Statistics, Himachal Pradesh. List its major statistical publications.

Q.IV What is the genesis of Economic Census in India? List the scope and coverage of Sixth Economic Census in India.

Q.V Using binomial expansion method of interpolation, estimate the number of refrigerators sold in April from the following data:

Month	January	February	March	April	May	June
Number of refrigerators sold	150	235	365	?	525	780

Q.VI What is Sampling and what are its objectives? Explain various methods of Sampling techniques.

Q.VII A bag contains 4 white, 3 black and 5 red balls. What is the probability of getting a white or red ball at random in a single draw?

Q.VIII Distinguish between the following:

- i) Discrete Series & Continuous Series
- ii) Questionnaire & Schedule
- iii) Census method & Sample method
- iv) Diagrammatic representation & Graphic representation