H.P. BOARD OF DEPARTMENTAL EXAMINATION

Departmental Examination of Other Gazetted Officers of Himachal Pradesh
April, 2015

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

Max. Marks:100

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

Question I: Explain the National and State Statistical Systems developed during the post-independence period? What is the role of Ministry of Statistics and Programme Implementation? (20marks)

Question II: Define the various M's of central tendency. What purpose do their measurements serve and which M do you prefer more than the other? Give examples. (20Marks)

Question III: (a) Explain the usefulness of diagrams in presenting statistical data
(b) What, in your opinion, are the tests of a good diagram? (10+10=20marks)

Question IV: The various methods of sampling are called "Sampling designs", which can be grouped under two heads. What are those? Describe them with limitations? (20marks)

Question V: (a) Describe the terms Interpolation and Extrapolation?
(b) The odds in favour of 'A' winning a game of cricket against 'B' are 5:2. If three games are to be played, what are the odds in favour of A's winning at least one game? (10+10=20Marks)

Question VI (a) Describe what is meant by correlation and distinguish between positive and negative correlation?
(b) In Himachal Pradesh the ratio of males to females is 1000: 972, if this tendency is to continue, what is the chance that a newly born baby is female? (10+10=20marks)

Question VII What are the various Census done in the country? List out the objectives of these census? Give your opinion weather these be done in one point of time? (20marks)

Question VIII: Write short notes on any three :-
(i) Moving average
(ii) Random Sampling
(iii) Line of best fit
(iv) Periodicity
(7+7+6 =20marks)

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