DEPARTMENTAL EXAMINATION OF OTHER GAZETTED OFFICERS OF HIMAHCAL PRADESH   FEBRUARY, 2006

PAPER-3 ECONOMICS AND STATISTICS.   **MAX. MARKS:100**

Time Allowed:3 Hours.

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

Q.No.1   What is meant by a Statistical Inquiry. What important consideration are to be kept in View while planning and conducting an inquiry. Frame five important questions to be Asked while conducting a consumption expenditure survey in a village.   (20)

Q.No.2   Define National Income, state Income and District Income. What are the different approaches to measure the State Income. How Income at Current Prices differ from Income at constant prices   (20)

Q.No.3   What is meant by central tendency. What are the various methods to measure it. Calculate the mean height of the group of 350 persons from the following data.

Height in Metres	No. of persons
1.61	4
1.63	8
1.65	48
1.67	131
1.69	102
1.71	40
1.73	17

(20)

Q.No.4   From the following production scenerio or two manufacturing units calculate the co-Efficient of variation of both and find out which of the two companies has greater Production constitancy.

Year	Production in quintals	
1996	700	550
1997	625	600
1998	725	575
1999	625	550
2000	650	650
2001	700	600
2002	600	625
2003	650	600

                                                                            (20)

Q.No.5   Explain interpolation and Extra –Polation
        Interpolate the expectation of life at the age of 44 from the following data by newton's . methods of interpolation.

Age in years:	20	30	40	50	60
Expection of Life.	70.08	64.4	58.2	52.0	40.8

Q.No.6   What do you mean by:-
   a)   Cyclical and seasonal fluctuations.
   b)   Sample and Census Surveys.
   c)   Gross and Net Domestic Product.
   d)   Classification and tabulation of data.
   e)   Establishment and own account Enterprises.
         (20)

Q.No.7   What is the difference between Primary and Secondary data. What are the methods of
          Collecting Primary data and explain reletive marits and demerits.   (20)

Q.No.8   Write short notes on
   i)   Moving average.
   ii)   Line of Best fit.
   iii)   Consumer Price Index Number
   iv)   Stratafied random Sampling
   v)   Continuous and discrete series.

(20)

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