DEPARTMENTAL EXAMINATION FOR OTHER GAZETTED OFFIECERS
OF HIMACHAL PRADESH , AUGUST, 2005

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   Define National Income. What area the different approaches to measure it. How it differ
          From Gross Domestic and Net Domestic Product.   (20)

Q.No.2   What is meant by Corelation. Find out the coefficient of correlation between the values
          Of X and Y from the following date.

          Value of X   15   16 17 18   19 20
          Value of Y   80   75   60 40   30   20   (20)

Q.No.3 a) What do you mean by Regression and what is its utility. Distinguish between Co-
            Relation and Regression

        b)Obtain the Regression equation from the data given below:

          X   2   4   6   8   10
          Y   5   7   9   8   11   (20)

Q.No.4   What do you understand by Index Number? Discuss the problems involved in the
          Construction of Index Number and their limitations. What is meant by C.P.I and W.P.I
                                                                                      (20)
Q.No.5   What are the common measures of dispersion? Find out the Quartile Deviation and its
          Coefficient form the following data

No. of Students	Weight in ponds
1.	120
3.	122
5.	124
7.	126
10	130
3	140
1	150
1	160

(20)

                              Contd.p-2

Q.No.6   What is meant by
      a)   Continous and Discrete Series
      b)   Agriculture and Economic Census
      c)   Primary and Secondary data
      d)   Exclusive and Inclusive Class Intervals
      e)   More than and less than frequency tables   (20)

Q.No.7   Write short notes on:

    a)   Annual Survey of Industries
    b)   National Sample Survey
    c)   Crop Cutting experiments
    d)   Zero base Budgeting
    e)   Balanced growth   (20)

Q.No.8 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 regarding Consumption Expenditure pattern in a village.   (20)

Q.No.9   Distinguish between Inter Polation and Extra Polation of data. Interpolate the amount Of premium for the policies maturing at the age of 48 years from the following data.

Age in years	45	50	55	60	65
Premium in Rs.	287	240	208	186	171

                                              (20)

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