

Test held on: 25-01-2007

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**DEPARTMENTAL TEST IN STATISTICS FOR FIELD SUPERVISORS IN
THE DEPARTMENT OF ECONOMICS AND STATISTICS**

Paper-I

Maximum marks: 100

Answer any FIVE of the following questions:
(5 x 20 marks) = 100 marks

1. List out the nine fold classifications . Explain briefly the definitions of each classification.
2. Discuss the methods of Maintenance of Adangal and correlations register.
3. Briefly explain the method of collection of data in Khasra form and the method of compilation of monthly, seasonwise and abstract table from the field data.
4. a) What are the objectives of Timely Reporting Scheme ?
b) Describe the various steps of Crop Cutting Experiments.
5. Write short notes on the following : (5 x 4 = 20 marks)
 - 1) Paimash.
 - 2) Minor Circuit Fields.
 - 3) Statement of Irrigation Cess.
 - 4). Input Survey.
 - 5) Different types of Lease operations
6. Write short notes of the following: (4x5=20 marks)
 - a. System of collection of Agricultural statistics in the Union Territory of Pondicherry.
 - b. Contents of the Seasons and Crop Report.
 - c. Objectives of Improvement to Crop Statistics.
 - d. Statistics of Yearly Farm Prices.
7. Describe the history and background of Agricultural Census in India.

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Paper-II

Answer any FOUR (4 x 20 = 80 marks)

Maximum marks:100

Theory:80 marks

Practical: 20 marks.

THEORY

1. a. Describe the methods of the construction of Index numbers.
b. Describe Index of Industrial Production. (2x10=20 marks)
2. Write short notes on any TWO of the following: (2x10=20 marks)
 - a. Population census of India.
 - b. Objectives of Annual Survey of Industries.
 - c. Limitation of Employment Exchange Statistics.
3. Briefly discuss about the system of collection and dissemination of Price Statistics in the Union Territory of Pondicherry.
4. Briefly discuss the system of Civil Registration in the Union Territory of Pondicherry.
5. a. What are the different methods of computation of National Income?
b. Explain the method of estimation of National Income at constant and Current prices. (2 x10=20 marks).
6. a) Discuss briefly the National Sample Surveys in India.
b) Define Random Sampling technique and provide suitable example of a Sample Survey adopting Multi stage Stratified Random Sampling Technique. (2x10=20 marks).
7. Define the following concepts. (5 x 4=20 marks)
 - a) General Fertility Rate.
 - b) Population Density.
 - c) Crude Birth Rate.
 - d) Infant Mortality Rate.
 - e) Life Expectation.

Practical

Answer any TWO (2 x 10 = 20 marks)

8. Construct Index Number of Price from the following data by applying Fisher's Ideal Method:

Commodities	1995		2005	
	Price	Quantity	Price	Quantity
A	2	8	4	6
B	5	10	6	5
C	4	14	5	10
D	2	19	2	13

9. The following yields of Paddy in Kilograms were recorded in about 10 Crop Cutting Experiments. Calculate the Mean Yield per Crop Cutting Experiments. Calculate the yield per hectare and also calculate the Standard Deviation of the Estimate.

- a. 12.790 Kgms
- b. 11.250 Kgms.
- c. 11.550 Kgms.
- d. 10.750 Kgms.
- e. 12.450 Kgms.
- f. 11.675 Kgms.
- g. 12.325 Kgms.
- h. 11.210 Kgms.
- i. 13 Kgms.
- j. 12,00 Kgms.

10. Construct the cost of Living Index Numbers for the year 2005 using Laspeyres' Index from the following data:

Commodities	2003		2005
	Price Po	Quantity in Kgms q _o	Price P ₁
A	25	16	35
B	36	7	48
C	12	3.5	16
D	6	2.5	10
E	28	4.0	28
