

26/02/2023
(A-N)

DEPARTMENTAL TEST IN STATISTICS FOR FIELD SUPERVISORS
IN THE DIRECTORATE OF ECONOMICS AND STATISTICS

PAPER – I

Maximum marks : 100

Answer any FIVE of the following questions

(5 x 20 marks = 100 marks)

1. Describe the System of Collection of Agricultural Statistics in the Union Territory of Puducherry.
2. Write brief notes on any two of the following (2 x 10 marks)
 - (a) Crop Cutting Experiments
 - (b) Area Enumeration Survey
 - (c) Farm Prices
3. Describe the conduct of Agriculture Census in India
4. Explain the history and method of collection of Land Utilisation Statistics in India
5. Explain the various methodologies of Collection of yield statistics in India
6. Explain the tradition and method of preparation of Khasra Register in the union Territory of Puducherry.
7. Write Brief note on the following (4 x 5 = 20 marks)
 - (a) Season and Crop Report of the Union Territory of Puducherry
 - (b) Input Survey
 - (c) Method of Selection of farm for Crop Cutting Experiments
 - (d) Live Stock Census in India

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PAPER – II

Maximum marks : 100

Theory : 80 marks

Practical : 20 marks

THEORY

Answer any **FOUR** of the following questions (4 x 20 = 80 marks)

1. (a) Describe the method of construction of Consumer Price Index Number
(b) Describe Population Census in India (2 x 10 marks)
2. Describe the methods of calculation of GSDP Estimates at Current and Constant Prices in India.
3. Write Short Notes on the following (4 x 5 = 20 marks)
 - (a) Birth rate
 - (b) Death rate
 - (c) Sex ratio
 - (d) Infant mortality rate
4. Describe the Statistical system in India and the role of National Statistical Office, Ministry of Statistics and Programme Implementation and Directorate of Economics and Statistics of State / Union Territory
5. Explain the system and methods of collection of Education Statistics in India
6. Briefly describe the various advantages and limitations of Sample Surveys.
7. Briefly explain the system of collection of Environmental Statistics in India and States/ Union Territories.

PRACTICAL

Answer any TWO of the following questions (2 x 10 = 20 marks)

8. The following marks have been obtained in Economics by 11 candidates in 3 papers. Find in which paper the general level of knowledge of the candidates highest?

No. of Candidates	Marks in Paper A	Marks in Paper B	Marks in Paper C
1	38	39	62
2	28	41	33
3	35	36	40
4	72	28	29
5	55	62	87
6	63	62	62
7	62	45	08
8	42	22	44
9	37	32	40
10	38	90	42
11	40	53	51

9. Calculate the Price Index number in the following data by Laspeyres' formula and Paasche's formula

Commodity	Base Year Data		Current Year Data	
	P_0	q_0	P_1	q_1
X	1	10	1.5	8
Y	5	12	6.0	10
Z	8	5	10.0	2

10. Eight following Crop Cutting Experiments were undertaken for Paddy Crop in Rabi I season of the Agriculture Year 2021-22 in the Puducherry region of the UT of Puducherry. Calculate the Mean Yield per Crop Cutting Experiment and Yield per hectare.

- a) 12.250 kgms
- b) 10.750 kgms
- c) 12.000 kgms
- d) 11.210 kgms
- e) 10.400 kgms
- f) 9.280 kgms
- g) 9.840 kgms
- h) 10.200 kgms