

U.G. 1st Semester Examination - 2021**STATISTICS****[HONOURS]****Course Code : STAT-H-CC-P-1****(Descriptive Statistics - Lab)****[PRACTICAL]**Full Marks : 25 (20+5) Time : $1\frac{1}{2}$ Hours

*The figures in the right-hand margin indicate marks.
Candidates are required to give their answers in their
own words as far as practicable.*

Notations and symbols have their usual meaning.

1. The frequency distribution of expenditure of 1000 families is given below with two missing frequencies:

Expenditure(Rs.)	40-59	60-79	80-99	100-119	120-139
No. of families	50	?	500	?	50

The mean and median of the distribution are both Rs.87.50. Determine the missing frequencies.

5

2. For the following data on five commodities, calculate the Edgeworth-Marshall and Fisher's

price index numbers and verify whether they satisfy the factor reversal test.

Commodity	2010		2013	
	Price/Kg. (Rs.)	Expenditure (Rs.)	Price/Kg. (Rs.)	Quantity (Kg.)
A	25	1000	40	50
B	22	396	40	30
C	54	864	30	44
D	20	800	30	45
E	18	540	20	15

5

3. Practical Notebook. 5
4. Viva-voce. 5

[Internal Assessment: 5]

[Turn over]