

U.G. 4th Semester Examination - 2020**STATISTICS****[HONOURS]****Course Code : STAT(H)CC-10/PR****(Economics Statistics-Lab)****[PRACTICAL]**

Full Marks : 20 Time : 1 Hour 15 Minutes

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

1. The following table shows the quantities consumed and the values (both in suitable units) of five commodities for three chosen years:

Commodity	1995		2005		2015	
	Quantity	Value	Quantity	Value	Quantity	Value
I	60	360	70	490	80	720
II	130	650	160	800	190	1050
III	40	400	35	315	30	430
IV	30	360	30	390	30	420
V	5	80	10	190	10	250

- a) Calculate the price index number for 2015 taking 1995 as the base period adopting chain

base formula and using Paasche's formula at each stage.

- b) Also compute the price index using fixed base method and Paasche's formula. Comment on the two indices you have obtained.

5+5=10

2. Practical Note book. 5
3. Viva voce. 5