

U.G. 5th Semester Examination - 2020**STATISTICS****(HONOURS)****Course Code : STAT(H)CC-12/PR****[PRACTICAL]**

Full Marks : 25(20+5)

Time : 2 Hours

*The figures in the right-hand margin indicate marks.***Answer all the questions.**

1. The following data on yield of wheat in 100 Kg per plot were obtained from an experiment with four varieties of wheat with three manures. Analyze the data to find the best variety of wheat, if any.

Manure → Variety	1	2	3
1	40	45	42
2	43	49	47
3	45	52	48
4	47	55	52

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2. The following constants were obtained on two variables x and y for 300 pairs:

Mean of $x = 55.95$, Mean of $y = 51.48$; sd of $x = 2.26$, sd. of $y = 4.39$ and $r = 0.58$.

Assuming the population regression of y on x to be linear, test at 5% level whether the regression coefficient may be taken as zero. 4

3. Practical Note Book 5
4. Viva-voce 5

[Internal Assessment – 5]*[Turn Over]*