

U.G. 4th Semester Examination - 2020**STATISTICS****[GENERIC ELECTIVE]****Course Code : STAT(H)GE-P-2****Introductory Probability 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.*

that the area under standard normal curve below 1.96
is 0.975. 4

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

1. Fit a binomial distribution to the following data on the number of heads (X) obtained in tossing 4 coins simultaneously 100 times:

x	0	1	2	3	4	Total
Frequency	7	24	34	29	6	100

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2. If the random variable X follows normal distribution with mean 18 and standard deviation 25, find the values of $P(-31 < X < 67)$ and $P(X < 67 | X > 18)$, Given

[Turn Over]