

U.G. 3rd Semester Examination - 2021**STATISTICS****[HONOURS]****Skill Enhancement Course (SEC)****Course Code : STAT-H-SEC-P-1****(Statistical Data Analysis using MS EXCEL)****[PRACTICAL]**

Full Marks : 25(20+5) Time : 1½ 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 table below shows the data of sales of an item for nine consecutive years:

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998
Sales in lakh units	65	95	115	63	120	100	150	135	172

Use MS EXCEL to estimate the trend values by the method of moving averages using a suitable period.
Plot the observed and trend values. 5

2. For the following frequency distribution of the scores of 121 students in a certain paper, plot the histogram and calculate the standard deviation using MS EXCEL: 5

Score	Frequency
0 - 9	2
11 - 19	8
20 - 29	11
30 - 39	26
40 - 49	32
50 - 59	19
60 - 69	9
70 - 79	7
80 - 89	4
90 - 100	3

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

[Internal Assessment: 5]
