U.G. 3rd Semester Examination - 2020 MATHEMATICS

[HONOURS]

Course Code : MATH(H)-CC-P-07
[PRACTICAL]

SET-9

Full Marks: 20 Time: 2 Hours

The figures in the right-hand margin indicate marks.

Answer all the questions.

 $10 \times 2 = 20$

- 1. Write a program to evaluate $\int_{0}^{\pi/10} \frac{dx}{\sqrt{1 0.5\cos^2 x}}$ by Simpson's one-third rule, taking 13 ordinates. 10
- 2. Write a program to find the least squares parabola for the data: 10

х	0	2	4	6	8	10
у	1	3	13	31	57	91
