2022
Computer Science
[HONOURS]
(CBCS)
(B.Sc. Third Semester Practical End Examination-2022)
PAPER-SEC1P

Full Marks: 20   ***Time: 02 Hrs***

The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable
Illustrate the answers wherever necessary

Answer any one question   **1x15=15**

1. Write a MATLAB program that reads a value of n and then computes

$$1^2+2^2+3^2+...+n^2$$

2. Write a MATLAB program to display all prime numbers between 10 and 100.

3. Write a MATLAB program to calculate GCD and LCM of two numbers.

4. Write a MATLAB program to display first twenty terms of Fibonacci series.

5. Write a MATLAB program to find the value of n! With using function.

6. Write a MATLAB program to read two square matrix A,B and then find A+B, A-B and AB.

7. Write a MATLAB program to plot a graph $f(x)=cos(x)$ for $-2\pi \le x \le 2\pi$.

8. Write a MATLAB program to read two numbers n and r, and compute $^n P_r$

9. Write a MATLAB program to plot the functions $f(x) = 3x^3 - 26x + 10; g(x) = 3x^2 - 26, h(x) = 18x$ for $-2 \le x \le 4$, all in the same plot.

10. Write a MATLAB program to plot a graph using the following data,

Year	1988	1989	1990	1991	1992	1993
Sales	8	12	20	22	18	14

VIVA – 03

PNB - 02