# 2019

# MSc

## 2$^{nd}$ Semester Examination

## PROGRAMMING CONCEPTS

## PAPER – COS-204(M2)

## Full Marks : 25

## Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their

Own words as far as practicable.


Illustrate the answers wherever necessary.

## Group-A

Answer any **TWO** questions                                2x2=4

1. Why C is called a procedural programming language?

2. Briefly explain the different storage classes used in C.

3. What is a recursive function?

4. Define pointer with an example.

## Group-B

Answer any **TWO** questions                                4x2=8

5. Write a C program to check whether a given number is prime or not.

6. Write a C program to print Fibonacci series.

7. Write a C program to calculate the factorial of given number.

8. Write a C program to find the GCD of two given numbers.

## Group-C

Answer any **ONE** question                                8x1=8

9. a) Explain the different types of loops used in C with syntax and example.

   b) Explain the use of break and continue statement in a loop with examples.

10. a) What is an array? Explain the declaration and initialization of one and two dimensional arrays with proper examples.

    b) Explain any four string handling functions used in C.