

COE-116 PROGRAMMING FUNDAMENTALS

Time: 1 Hour 30 Minutes

Max. Marks : 20

Note : Answer **ALL** questions.
Assume suitable missing data, if any.

- 1 Explain the following: 4
 - [a] Algorithms & Flowcharts
 - [b] Input & Output Statements
- 2 Explain the following with syntax, flow chart and relevant coding: 4
 - [a] The do-while statement
 - [b] The if-else statement
- 3 What do you understand by multidimensional arrays? Write a computer program which illustrates how a two dimensional array can be read and how the value stored in the array can be displayed on screen. 4
- 4 Distinguish between the structure and union. Write a program to find the size of the structure & the union and number of bytes reserved for them. 4
- 5 Write short notes on any **TWO** of the following:
 - [a] Programming Languages
 - [d] Coding Style
 - [c] Subprograms4