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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year I Semester Regular & Supplementary Examinations January 2018
COMPUTER PROGRAMMING AND PROBLEM SOLVING**

Time: 3 hours

Max. Marks:60

(Answer all Five Units 5 X 12 = 60 Marks)

UNIT-I

- 1 a. Define Classifications of computers. 6M
b. Explain Number System? Convert Octal to Hex Decimal through example. 6M

OR

- 2 a. What are the symbols used in Flow chart, give an examples. 6M
b. Explain difference between Identifiers and Constants. 6M

UNIT-II

- 3 a. Given any two Conditional Operators with example. 6M
b. Explain difference Formatted and Unformatted Functions. 6M

OR

- 4 a. Explain switch Statement, write program print date and week. 6M
b. Define Difference between while and do-while Statement. 6M

UNIT-III

- 5 a. Given an example of Arrays with syntax. 6M
b. Define Two Dimensional Arrays with example. 6M

OR

- 6 What is Strings, Explain string handling functions with suitable example? 12M

UNIT-IV

- 7 a. How to allocate memory in Dynamically explain. 6M
b. How to declare Prototype in functions given example. 6M

OR

- 8 a. Define Call by Value and Reference with suitable program. 6M
b. Define Storage Classes with examples. 6M

UNIT-V

- 9 What are the Preprocessor Directives used in C. 12

OR

- 10 a. Explain difference between Structure and Union 6M
b. Define stream and explain types of streams 6M

*** END ***