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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech I Year I Semester Supplementary Examinations November-2020

COMPUTER PROGRAMMING

(Common to All Branches)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

- 1** Discuss about the following operators in C language with example. **12M**
 i) Bitwise ii) Increment and decrement iii) Logical

OR

- 2 a** What is flowchart? Explain different symbols used for flowchart. **6M**
b What is variable? Give the rules for variable declaration. **6M**

UNIT-II

- 3** Explain various branching statements in C with examples. **12M**

OR

- 4 a** List and explain unconditional statements in C with examples. **6M**
b Write a program to check whether the given number is Armstrong or not. **6M**

UNIT-III

- 5 a** Write a C program to find the largest element given in an array of elements. **6M**
b Write a C program to read the elements in an array and print the same in reverse order. **6M**

OR

- 6** Write a C program to multiply two matrices of different order. **12M**

UNIT-IV

- 7 a** What is recursion? What are the advantages and Disadvantages of recursion? **6M**
b Explain the concept of array of pointers with examples. **6M**

OR

- 8** Explain the following C dynamic memory allocation functions with syntax. **12M**

UNIT-V

- 9 a** Define Structure and write the general syntax for declaring and accessing members. **6M**

- b** Explain preprocessor directives. **6M**

OR

- 10** Explain the following file handling functions: **12M**
 i) fseek() ii) ftell() ii) rewind() iv) feof()

*** END ***