SREE VIDYANIKETHAN ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to JNTUA, Anantapur)
M.C.A. I Semester (SVEC16) Regular/Supplementary Examinations January - 2018
PROGRAMMING IN C
[MASTER OF COMPUTER APPLICATIONS]

Time: 3 hours   Max. Marks: 60

Answer One Question from each Unit
All questions carry equal marks

UNIT-I

1. a) Label any two major components of a computer system.   6 Marks
    b) Identify the steps in creating and running a 'C' program.   6 Marks

(OR)

2. a) Write about the structure of 'C' program with suitable example.   6 Marks
    b) Sketch the block diagram to create and run the 'C' program in Turbo C. 6 Marks

UNIT-II

3. a) Code the transpose of a given **n x n** matrix A in Turbo C.   6 Marks
    b) Sketch the exit loop control statement with a suitable program.   6 Marks

(OR)

4. a) Explain multi-way selection statements in 'C' with suitable example.   6 Marks
    b) Describe any two Iterative Statements in 'C' with an example   6 Marks

UNIT-III

5. a) Formulate n^{th} Fibonacci number generation using recursion.   6 Marks
    b) Define function and explain about system defined functions with suitable   6 Marks
        example.

(OR)

6. a) Identify the following which refers the region of a program where a variable   4 Marks
        is available for use.
    b) Exercise parameter passing mechanism in 'C' with a suitable example.   8 Marks

UNIT-IV

7. a) Argue about Enumerated types in 'C' with an example for creating colors type.   3 Marks
    b) Explain about nested structure with an example.   4 Marks
    c) Differentiate structures and Unions in 'C'.   5 Marks

(OR)

8.   With a suitable example, explain how enumerated types can be defined,   12 Marks
        declared and used.

UNIT-V

9.   Distinguish between binary and text files with accessing modes listed. 12 Marks

(OR)

10. a) Discuss about types of files in 'C'.   6 Marks
    b) Collaborate Preprocessor directives in structured programming and its usage.   6 Marks

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