

R17

Code No: 841AC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA I Semester Examinations, October/ November - 2020****COMPUTER PROGRAMMING USING C****Time: 2hrs****Max.Marks:75**

Answer any five questions
All questions carry equal marks

- 1.a) Discuss about computer environments.
b) What is type conversion? Explain with an example. [7+8]
- 2.a) What is preprocessor? Explain any four preprocessor commands.
b) Write a program to demonstrate recursive functions. [7+8]
- 3.a) What are the common features of arrays and pointers.
b) What is a pointer? Explain how arrays are managed using pointers. [7+8]
- 4.a) Explain nested structures.
b) Write a program to demonstrate command-line arguments. [7+8]
5. Explain the following functions.
a) rewind () b) fseek () c) ftell () d) fopen () [15]
- 6.a) Explain the structure of C program.
b) List out the operators in C. [7+8]
7. Explain in detail about control structure in C. [15]
- 8.a) What are arrays? Explain its advantages and disadvantages. What are types of arrays?
b) Write a C program for addition of two given matrices. [7+8]

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