

**R13****Code No: 811AC****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA I Semester Examinations, January - 2018****COMPUTER PROGRAMMING****Time: 3hrs****Max.Marks:60****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A**5 × 4 Marks = 20**

- 1.a) Write about precedence and associativity of operators. [4]
- b) What are the preprocessor commands? [4]
- c) What are the applications of arrays? [4]
- d) Compare structures with unions. [4]
- e) What are the file status functions? [4]

PART-B**5 × 8 Marks = 40**

- 2.a) Explain various arithmetic operators along with example programs. [4+4]
 - b) Write about type conversions. [4+4]
- OR**
- 3.a) Explain various computer languages. [4+4]
 - b) What is an identifier? [4+4]
4. Write a C Language program to find whether the given number is prime or not. [8]
- OR**
5. Explain about storage classes. [8]
 6. Write a program to multiply two dimensional matrices. [8]
- OR**
7. Write a program to demonstrate pointers of functions. [8]
- 8.a) Explain about bit fields. [8]
 - b) Write about enumerated types. [8]
- OR**
9. Explain about command line arguments. [8]
 10. Write a program to read text file and count number of uppercase letters, lower case letters, digits, special characters. [8]
- OR**
11. Write a program to copy the contents of one file to another file. [8]

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