

M.C.M. - I (with Credits)-Regular-Semester 2012 Sem I (Old)
1MCM4 - Paper-IV : Programming Techniques with C

P. Pages : 1

Time : Three Hours



GUG/W/16/3027

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat & labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific points answers related to questions.

Either

1. a) Explain in detail the conceptual development of solution. **8**
b) What is data type? Explain detail various data types of 'C'. **8**

OR

- c) What is Translator? Why there is a need of translator? Differentiate between Interpreter and compiler. **8**
d) Write an algorithm & draw a flowchart to find smallest number among 3 number. **8**

Either

2. a) What is storage class? Explain various types in detail. **8**
b) Write a program to count even numbers between A and B. **8**

OR

- c) Explain in detail various loop control statement. **8**
d) Write a program to find reverse of a multidigit number. **8**

Either

3. a) Explain in detail about string. Write and explain any two string function. **8**
b) Write a program to check whether the entered 4 digit number is palindrome or not using function. **8**

OR

- c) Differentiate between binary search and linear search. Write a program for linear search. **8**
d) Write a program to sort an array of 20 elements using bubble sort. **8**

Either

4. a) Explain in detail various dynamic memory management function. **8**
b) Write a program to enter 'n' numbers in a file. After entering read the file and count odd numbers. **8**

OR

- c) Explain the concept of call by reference. Write a program to swap two values using third variable use call by reference. **8**
d) What is command line argument? Write a program for command line argument. **8**

5. Attempt all the questions.
a) Write a short note on process analysis. **4**
b) Explain ternary operator in brief with example. **4**
c) Explain in brief about enum. **4**
d) Describe in brief various file modes. **4**
