

M.C.M. - I (CBCS Pattern) Semester-I
PCMCMT104.1 - Elective-I Paper-IV : Programming Techniques with C

P. Pages : 2

Time : Three Hours



GUG/S/25/10760

Max. Marks : 80

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

Either :

1. a) Define Flowchart? Explain the different symbol use to draw flowchart using example. **8**
- b) What is datatypes? Explain the different types of datatypes use in 'C' program. **8**

OR

- c) Write a program in 'C' to find simple and compound interest. **8**
- d) Define operators. Explain any two types of operators use in 'C' language with suitable example. **8**

Either :

2. a) What are storage class. Explain different types of storage classes define in 'C'. **8**
- b) Explain the conditional statement if-else and else-if ladder with syntax and example. **8**

OR

- c) Write a program to find sum, reverse and check whether enter number is palindrome or not. **8**
- d) Define looping. Explain the for-next statement using suitable example. **8**

Either :

3. a) Define array. Explain how to initialize two dimension array using suitable example. **8**
- b) Explain the following **8**
 - i) Strcat()
 - ii) Strcpy()
 - iii) Strlen()
 - iv) Strrev()

OR

- c) Difference between structure and union. 8
- d) What is functions? Explain the structure of functions and write advantages of functions. 8

Either :

- 4. a) Differentiate between call by value and call by reference. 8
- b) Explain the following function. 8
 - i) Malloc()
 - ii) Free()

OR

- c) Write a program to find the average of 10 numbers using array of pointers. 8
- d) What are command line arguments explain using suitable example. 8

5. Solve all the questions:

- a) Define Type casting. Explain the concept using suitable example. 4
- b) Explain the break and continue in detail. 4
- c) Define sorting. Explain any one sorting in brief. 4
- d) Explain various error handling operations. 4
