

B.C.A. - I (NEP) Semester-II
CC104 - Paper-II : Programming in C

P. Pages : 2

Time : Three Hours



GUG/S/25/16674

Max. Marks : 60

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

Either:

1. a) What is constant? Explain object constant and symbolic constant in C with suitable example. 6
- b) Write a program in 'C' to check entered number is positive, negative or 0 using the concept of nested if. 6

OR

- c) Explain printf() statement in 'C' in detail. 6
- d) Explain if..... else statement. Write a program in C to check entered year is a leap year or not using if.... else. 6

Either:

2. a) What is array? Explain how to declare and initialize to one dimensional array with suitable example. 6
- b) Write a program in C to reverse a entered integer number. 6

OR

- c) Write a detail note on- 6
 - i) break
 - ii) continue
 - iii) exit
- d) Write a program in 'C' to display two dimensional array in matrix form and to find its transpose also. 6

Either:

3. a) Define structure. Explain how to declare and initialize the structure with suitable example. 6
- b) Write a program in C to find the power of a number using user defined function. 6

OR

- c) Write a detail note on- 6
- i) Function prototype
 - ii) Function call
 - iii) Function definition

- d) Explain the concept of nested structure with suitable example. 6

Either:

4. a) What is Pointer? List and explain pointer operator in detail. 6

- b) Write a note on command line argument. 6

OR

- c) List and explain various error Handling functions in 'C'. 6

- d) Write a program in C to demonstrate the concept of pointer to pointer in C. 6

5. Attempt all the questions.

- a) Explain Ternary operator with suitable example. 3

- b) Describe Nested Loop in C in detail. 3

- c) Explain Union in detail. 3

- d) Write a short note on call by reference. 3
