

B.Sc. (Information Technology) - I (CBCS Pattern) Semester-II
UBITT203 - Paper-III - Structured Programming Using C

P. Pages : 2

Time : Three Hours



GUG/S/25/10922

Max. Marks : 80

- 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 answers related to questions.

Either:

1. a) What is constant? List and explain various types of constants in 'C'. 8
- b) Explain the concept of Type Casting in detail. 8

OR

- c) What is C character set? Explain in detail. 8
- d) "C language is known as middle level language". Explain why? 8

Either:

2. a) Write the following in detail. 8
 - i) Backslash character
 - ii) Role of field width.
- b) Write a program in C to check centered year is a leap year or not. 8

OR

- c) Explain printf() statement in detail. 8
- d) Write a program in C to check centered number is positive, negative or zero using the concept of Nested if. 8

Either:

3. a) Write the detail note on: 8
 - i) Infinite loop
 - ii) Nested Loop
- b) Write a program in C to reverse a given integer number. 8

OR

- c) Explain the following. 8
 - i) While
 - ii) Do----while.
- d) Write a program in C to find factorial of the given number. 8

Either:

4. a) Define sorting? Explain the concept of Bubble sort with suitable example. 8
- b) Write a program in C to accept and display the elements of two dimensional array in matrix form. 8

OR

- c) Explain any four string Handling functions in 'C'. 8
- d) Write a program in C to accept and display the elements of a array of size five and to find their sum also. 8
5. Solve all the questions.
- a) Explain Updating Assignment operator in C. 4
- b) Explain the following. 4
- i) getch()
- ii) puts()
- c) Write a brief note on: 4
- i) break
- ii) Continue.
- d) What is Bound checking? Explain. 4
