

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

P. Pages : 2

Time : Three Hours



GUG/W/23/10922

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 wherever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Give the history of C. Also explain the application of C in detail. 8
- b) "C language is known as middle level language". Explain why. 8

OR

- c) What is C character set? Explain in detail. 8
- d) Write a note on increment and Decrement operators in C language. 8

Either:

2. a) What is Backslash character in C? List & explain. 8
- b) Explain printf statement in C in detail. 8

OR

- c) Explain the role of field width in printf statement in C with suitable example. 8
- d) Write a program in C to check entered no is even or odd. 8

Either:

3. a) Define looping statement. What is the need of looping statement? Give example also. 8
- b) Write a program to find sum of all nos from 1 to 30 which are not divisible by 5 or 7. 8

OR

- c) Write a note on. 8
 - i) Break .
 - ii) Continue.
- d) Write a program in C to reverse a number. 8

Either:

4. a) Define array. What is the need of array? Explain it using suitable example. **8**
- b) Write a program to accept and display a two dimensional array of size 2*3 and display it in matrix form. **8**

OR

- c) Write a note on. **8**
- | | |
|----------------|---------------|
| i) strlen () | ii) strcat () |
| iii) strcmp () | iv)strupr () |
- d) Write a program to find the transpose of given matrix of size 2*3. **8**
5. Solve all the questions.
- a) Define Token. Also give the examples of tokens in C. **4**
- b) Explain if ----- else statement in C. **4**
- c) What is Nested loop? Explain. **4**
- d) Explain how to declare one dimensional array in C with example. **4**
