

UBCCAT205 Paper-V : Programming Logic and Techniques & Introduction to C

P. Pages : 1

Time : Three Hours

**GUG/W/22/10623**

Max. Marks : 40

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

Either:

1. a) What is Translator? Explain Compiler & Interpreter. 4
 - b) List the characteristics of good programming language. 4
- OR**
- c) Explain the compilation process in detail. 4
 - d) Why 'C' Language is called as middle level language? Explain. 4

Either:

2. a) What are the steps to be followed in Problem Analysis? 4
 - b) How many development tools are available to solve the programming problem. 4
- OR**
- c) Define flowchart & list the various flowchart symbol along with their purpose. 4
 - d) List & explain the characteristics of good algorithm. 4

Either:

3. a) Define Operators. Write a program to compute sum & average of 3 integer numbers. 4
 - b) What are data types? List different data types supported by 'C' language. 4
- OR**
- c) List and explain various types of input & output statement supported by 'C' language. 4
 - d) What do you mean by conditional operator? Write a program to check number is even or odd using conditional operator. 4

Either:

4. a) Define Loop. List the various types of loops supported by 'C'. 4
 - b) Explain if – else statement with example. 4
- OR**
- c) What do you mean by conditional statement? Explain switch statement. 4
 - d) Explain while loop with suitable example. 4

5. Solve all questions.
- a) Write a short note on High Level Language. 2
- b) What are the stages for conceptual development of a solution for a given problem. 2
- c) Describe variable & constant in 'C'. 2
- d) Write a difference between break & continue statement. 2
