

B.C.C.A. - I CBCS Pattern Semester-II
**UBCCAT205 - Paper-V : Programming Logic and Techniques &
Introduction To C**

P. Pages : 2

Time : Three Hours



GUG/W/23/10623

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Write a detail note on High level language. 4
- b) Explain: 4
 - i) Compiler.
 - ii) Assembler.

OR

- c) Enlist & explain the characteristics of Good Program. 4
- d) Discuss the role of Linker & Loader. 4

Either:

2. a) What is problem Analysis? Explain how to implement it in solving problem. 4
- b) List the advantages and disadvantages of Algorithm. 4

OR

- c) What do you mean by flowchart? Draw a flowchart to find the average of these numbers. 4
- d) How to build the conceptual Development of solution? Explain. 4

Either:

3. a) What is constant in C? Explain the types of constants. 4
- b) Explain Type Casting in C with suitable example. 4

OR

- c) List and explain the Arithmetic operators supported by C with suitable example. 4
- d) Write a program in C to demonstrate Increment and Decrement operator. 4

Either:

4. a) Demonstrate the if-else statement with suitable example. 4
b) What is the use of break and continue? Demonstrate using suitable example. 4

OR

- c) Explain do_while loop with example. 4
d) Write a program in C to demonstrate switch statement. 4
5. Solve all the questions.
- a) What is Assembly Language? Explain its purpose. 2
b) Explain the process Analysis in brief. 2
c) Elaborate the different Data types available in C. 2
d) Discuss the use of nested if in brief. 2
