

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/S/23/10623**

Max. Marks : 40

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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 answers and write specific answer related to question.

**Either:**

1. a) Explain Machine language & assembly language in detail. 4
- b) Explain the characteristics of good programming language. 4

**OR**

- c) Explain the following. 4
  - i) Linker
  - ii) Loder
- d) Explain interpreter in detail. 4

**Either:**

2. a) Explain different symbols used in flowchart. 4
- b) Draw flowchart and write algorithm to perform addition of three numbers. 4

**OR**

- c) Explain advantages and disadvantages of algorithm. 4
- d) What is problem analysis? Explain. 4

**Either:**

3. a) What is variable in C? Explain how to declare variable in C with suitable example. 4
- b) What are different datatypes used in C? Explain. 4

**OR**

- c) Explain input and output statement in C. 4
- d) Write a C program for average of three number. 4

**Either:**

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|-----------|----|---|----------|
| <b>4.</b> | a) | Explain if-else statement with example.           | <b>4</b> |
|           | b) | Write a 'C' program for greatest of three number. | <b>4</b> |

**OR**

- |           |     |  |          |
|-----------|-----|--|----------|
|           | c)  | Explain for loop with example.   | <b>4</b> |
|           | d)  | Write note on:   | <b>4</b> |
|           | i)  | Break  |          |
|           | ii) | Continue with example.   |          |
| <b>5.</b> |     | Solve <b>all</b> questions.  |          |
|           | a)  | Write short note on compiler.  | <b>2</b> |
|           | b)  | Write advantages of flowchart.   | <b>2</b> |
|           | c)  | Explain conditional operator in detail.                                    | <b>2</b> |
|           | d)  | What is looping statement? What is the need of looping statement? Explain. | <b>2</b> |

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