

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/24/10623

Max. Marks : 40

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- Notes :
1. All questions are compulsory 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) Write short note on the following: 4
 - i) Machine language
 - ii) Assembly language
- b) Explain interpreter in detail. 4

OR

- c) Explain the working of compiler with its block diagram. 4
- d) Explain the characteristics of good programming language. 4

Either:

2. a) What is process Analysis? Explain it in detail. 4
- b) What is flowchart? List & explain various shapes used in flowchart. 4

OR

- c) What is problem analysis? Explain. 4
- d) Write algorithm and draw flowchart to perform sum and average of three numbers. 4

Either:

3. a) Explain printf() statements in detail. 4
- b) Write a C program to convert the temperature from Fahrenheit to Celsius. 4

OR

- c) Write a program in C to exchange the values of two variables. 4
- d) Explain character set and keywords in 'C' language in detail. 4

Either:

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| 4. | a) | Explain if-else statement with suitable example. | 4 |
| | b) | Write a program in C to find factorial of given number. | 4 |

OR

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|-----------|----|---|----------|
| | c) | Write a program in C to print multiplication table of a given number. | 4 |
| | d) | Write note on: | 4 |
| | | i) break ii) continue | |
| 5. | | Solve all the questions. | |
| | a) | What is translator? Explain the need of translator. | 2 |
| | b) | Explain advantages and disadvantages of algorithm. | 2 |
| | c) | Write a note on- | 2 |
| | | i) getch() ii) putchar() | |
| | d) | What is the need of looping statement? Explain. | 2 |
