

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

P. Pages : 2

Time : Three Hours



GUG/S/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 answers and write specific answer related to question.

Either:

1. a) Write a short notes on: 4
- i) Assembler ii) Interpreter
- b) Explain loader and linker in detail? 4

OR

- c) Explain the compilation process in detail. 4
- d) Write short note on the following: 4
- i) Machine language ii) Assembly language

Either:

2. a) Define an Algorithm write a characteristics of Algorithm. 4
- b) Explain different symbols used in flowchart. Write advantages of flowsheet. 4

OR

- c) Explain the following- 4
- i) Problem Analysis ii) Process Analysis
- d) Write an algorithm & draw flowchart to perform addition of three numbers. 4

Either:

3. a) Explain the following- 4
Assignment operator conditional operator
- b) What is variable in 'C'? Explain how to declare variable in 'C' with suitable example. 4

OR

- c) What are the datatypes supported by 'C'? Explain them in detail. 4
- d) Write a program in 'C' to find sum of five numbers. 4

Either:

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| 4. | a) | Explain nested if-else statement with example. | 4 |
| | b) | Discuss the term 'break' and continue with example. | 4 |

OR

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|-----------|----|--|----------|
| | c) | Write a note on switch statement. | 4 |
| | d) | Write a program to find factorial of given number. | 4 |
| 5. | | Solve all the questions. | |
| | a) | Write short note on compiler. | 2 |
| | b) | Write a advantages of an algorithm. | 2 |
| | c) | Explain any two unformatted input statement in C. | 2 |
| | d) | Difference between while and do-while loop. | 2 |
