

P4 : Programming Techniques With C Paper-IV

P. Pages : 2

Time : Three Hours



GUG/W/16/3059

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and clean diagrams wherever necessary.

Either

1. a) What are the steps to be followed in problem analysis. **8**
b) What is program flow chart? list various pro and cons of flow chart. **8**

OR

- c) What is Token? Explain the various tokens supported by 'C' language. **8**
d) What is Arithmetic operator? **8**
Explain Unary and binary operator with suitable example.

Either

2. a) What is control statement & list the various control statement support by 'C'. **8**
b) Explain the purpose of switch statement with example? **8**

OR

- c) Explain for loop with suitable example? **8**
d) difference between while & do while loop with example. **8**

Either

3. a) Explain one dimensional array with suitable example. **8**
b) Explain with suitable example the concept of structure. **8**

OR

- c) Write a program to find sum of any five numbers. **8**
d) What is need of user defined function? Explain with example. **8**

Either

4. a) What is pointer & list the advantages of pointer. **8**
b) Difference between Address operator and indirection operator. **8**

OR

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|----|--|---|
| c) | Explain the concept of file handling? | 8 |
| d) | Explain how to define and open a file? Explain with example? | 8 |

5. Attempted all the question.

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| a) | What is flowchart? Explain with example. | 4 |
| b) | Explain goto statement with example. | 4 |
| c) | What is Recursion? Explain with example. | 4 |
| d) | Explain. | 4 |
| | 1) Call by value. | |
| | 2) Call by Reference. | |

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