

P. Pages : 2

Time : Three Hours



GUG/W/18/11717

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labeled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answer related to question.

1. EITHER.

- a) What are data types? List various data types supported by 'C' language. **8**
- b) What do you mean by hierarchy of operator? List the precedence of arithmetic operators. **8**

OR

- c) What is function? Explain different character functions used in 'C'. **8**
- d) Define variable explain various rules of defining variable in 'C' with example. **8**

2. EITHER.

- a) What is control statement? List the various control statement supported by 'C'. **8**
- b) Write a program in 'C' Language to swap? Exchange the contents of two variables without using 3rd variable. **8**

OR

- c) Explain the formatted statements scan () and printf () with example. **8**
- d) Write a program in 'C' to check whether number is even or odd. **8**

3. EITHER.

- a) Write a difference between break and continue statement. What is the use of Goto statement. **8**
- b) Write a program to check whether number is palindrome or not. **8**

OR

- c) State all the loop structure supported in 'C' with example. **8**
- d) Write a program to find the no of digit in a multidigit number. **8**

4. EITHER.
- a) How to declare array? Explain how to read and write an element into an array. 8
 - b) Write a program to Transpose the matrix of size M*N. 8
- OR**
- c) Explain different character and string handling functions used in 'C'. 8
 - d) What is sorting? Explain the working of sequential sorting with example. 8
5. Solve all the questions.
- a) What is constant? Explain types of constant. 4
 - b) Write a program to compute sum and average of 3 integer numbers. 4
 - c) What is the use of Goto statement? Explain with suitable example. 4
 - d) What do you mean by searching? 4
