

Bachelor of Science (B.SC.) (Part-I) Second Semester OLD
2SCS-T2 - Computer Science Paper-II
(Structured Programming with C)

P. Pages : 2

Time : Three Hours



GUG/W/18/1235

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Assume suitable data wherever necessary.
 4. Avoid to write vague answers.

- 1.** Either
- a) State the difference between interpreter and compiler. 5
 - b) Explain increment and decrement operator with suitable example. 5
- OR**
- c) Explain any two input and output functions in C-language. 5
 - d) Write a note on type casting. 5
- 2.** Either
- a) Explain storage classes in detail. 5
 - b) Write a program to generate n number of Fibonacci series using for loop. 5
- OR**
- c) Write a note on 5
 - i) Break
 - ii) Continue.
 - d) Write a program to find factorial of a given number. 5
- 3.** Either
- a) Explain the initialization of one dimensional Array. 5
 - b) Write a program to search an element in an array. 5
- OR**
- c) Explain with suitable example:- 5
 - i) Strcmp ()
 - ii) Strlen ()
 - d) Explain structure in detail. 5

4. Either
- a) Explain user define function in detail. 5
 - b) Explain the concept of call by value and call by reference with suitable examples. 5

OR

- c) Explain: 5
 - i) Malloc ()
 - ii) Realloc ()
 - d) Explain the concept of pointer with suitable example. 5
5. Solve all the questions: -
- a) Explain 'C' character set in detail. 2½
 - b) Explain ternary operator with example. 2½
 - c) Write a note on enumeration. 2½
 - d) Explain file mode operation. 2½
