

Bachelor of Science (B.Sc.-I) (CBCS Pattern) First Semester
USCST02 - Computer Science (Programming Techniques & Introduction To C)
Paper-II

P. Pages : 2

Time : Three Hours



GUG/W/18/11547

Max. Marks : 50

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answers and write the answers relevant and specific to questions only.

- 1.** Either
- a) Explain in detail about translator. **5**
 - b) Explain the compilation process with suitable diagram. **5**

OR

- c) Write a note on **5**
 - i) Linker.
 - ii) Loader.
- d) Explain the characteristics of good Programming Language. **5**

- 2.** Either
- a) Explain the conceptual development of solution. **5**
 - b) Write an algorithm for finding sum and average of 5 numbers. **5**

OR

- c) Write the advantages and disadvantages of algorithm. **5**
- d) Draw a flowchart for checking year is leap or not. **5**

- 3.** Either
- a) Explain Relational operator. **5**
 - b) Write a note on. **5**
 - i) keyword.
 - ii) Identifier.

OR

- c) Explain the data types of 'C' in brief. 5
- d) Write a 'C' program to find simple interest. 5

4. Either

- a) Explain in detail if-else statement. 5
- b) Write a 'C' program to check number is even or odd. 5

OR

- c) Explain ternary operator in detail with suitable example. 5
- d) Write a 'C' program to find sum of even numbers between 20 to 70. 5

5. Attempt all the questions:-

- a) Write a note on Assembly language. 2½
- b) Write the advantages of flowchart. 2½
- c) Write a note on white spaces. 2½
- d) Write a short note on: 2½
 - i) Break
 - ii) Continue.
