

1BIT4 - Developing Programming Logic and Techniques Paper-IV

P. Pages : 1

GUG/S/19/1423

Time : Three Hours



Max. Marks : 80

- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw Neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answer and write specific points / answer related to questions.

1. Either
- a) What is machine language and Assembly language ? **8**
 - b) Explain the terms. **8**
 - i) Compiler
 - ii) Interpreter
- OR**
- c) Explain the characteristics of good language. **8**
 - d) Explain the terms. **8**
 - i) Linker
 - ii) Loader.
2. Either
- a) What is flowchart? Explain different symbol used in flowchart with suitable example. **8**
 - b) Explain Advantage and disadvantage of Algorithm. **8**
- OR**
- c) What is Big O – Notation? **8**
 - d) What is Pseudocode? Explain its characteristics. **8**
3. Either
- a) What is constants and variable? Explain with example. **8**
 - b) What is datatype? Explain different datatype with example. **8**
- OR**
- c) Explain while and do-while with example. **8**
 - d) What is conditional statement? Explain with example **8**
4. Either
- a) What is Array? Explain one dimensional Array with example. **8**
 - b) How will you Insert an element in Array Explain with example. **8**
- OR**
- c) What is sorting ? Explain with example. **8**
 - d) Explain Transpose of matrix with example. **8**
5. Solve all questions.
- a) What is Translator? **4**
 - b) What is process Analysis? **4**
 - c) Explain for loop with example. **4**
 - d) What is Two dimensional Array? **4**
