

UBITT104 - Developing Programming Logic And Techniques Paper - IV

P. Pages : 2

GUG/W/18/10913

Time : Three Hours



Max. Marks : 80

- Notes :
1. All 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 answer related to question.

1. Either
- a) Explain in detail generation of languages. **8**
 - b) Write a note on. **8**
 - i) Linker.
 - ii) Loader.

OR

- c) Describe translator. Explain different types of translator. **8**
 - d) Explain any two types of programming language. **8**
2. Either
- a) What is flowchart? Explain advantages and disadvantages of flowchart. **8**
 - b) Explain. **8**
 - i) Process Analysis
 - ii) Problem Analysis.

OR

- c) Write an algorithm and draw a flowchart to calculate the area and circumference of a circle. **8**
 - d) Explain Time – Space complexity of algorithm. **8**
3. Either
- a) Write an algorithm and draw a flowchart to check whether a number is even or odd. **8**
 - b) Explain different datatypes used in a programming language. **8**

OR

- c) Write a note on: **8**
 - i) Break.

ii) Continue.

iii) Exit.

iv) Goto.

d) Explain with example one way and two way conditional statement. **8**

4. Either

a) Define searching. Write the difference between sequential and Binary search. **8**

b) Write an algorithm for Matrix addition. **8**

OR

c) Write a note on. **8**

i) Rotating List.

ii) Merging.

d) What is Array? Explain different types of array. **8**

5. Solve all the question.

a) Explain the characteristic Good language. **4**

b) What are types of flowchart. **4**

c) Write a note on Multiway conditional statement. **4**

d) Explain modular programming with its features. **4**
