

B.Sc.-III (CBCS Pattern) Semester - VI
USCST11.1 - Elective-I - Computer Science-I : Core Java

P. Pages : 1

Time : Three Hours



GUG/S/23/13345

Max. Marks : 50

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

Either :-

1. a) Explain Java Virtual Machine in detail. 5
b) Write purpose, syntax and example of for loop. 5

OR

- c) Write a Java program to calculate factorial of any number. 5
d) Explain two dimension array with example. 5

Either :-

2. a) Explain the concept of overloading. 5
b) Describe static data member in a java class. 5

OR

- c) What is method? Explain with example. 5
d) Write a program in java to demonstrate overriding. 5

Either :-

3. a) Explain the role of finally in exception handling. 5
b) Describe multithreading in detail. 5

OR

- c) Write a java program to create custom exception in java. 5
d) Explain inter thread communication. 5

Either :-

4. a) Describe panel used in java. 5
b) Explain border layout in detail. 5

OR

- c) Write a java program to demonstrate student applet for 5 subjects marks entry. 5
d) Explain AWT components in detail. 5

5. Solve all questions.

- a) Explain if-else statement. 2½
b) Write a note on class. 2½
c) Explain compile-time errors. 2½
d) Write a note on card layout 2½
