

B.Sc.- III (Information Technology) CBCS Pattern Semester-V
008 - Elective-II - Paper-III : Core Java

P. Pages : 2

Time : Three Hours



GUG/W/23/13135

Max. Marks : 40

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- 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.

Either:

1. a) Explain keyword and data types in Java. 4
- b) Write a program to demonstrate do while loop. 4

OR

- c) Define else if Ladder and switch statement in Java with example. 4
- d) Write a program to demonstrate Nested Loop in Java using for loop. 4

Either:

2. a) What is Inheritance, Give a suitable example. 4
- b) Explain following- 4
 - i) Interface
 - ii) Package

OR

- c) Write a program for Multiple inheritance. 4
- d) Explain abstract method in Java. 4

Either:

3. a) What is Multithreading, Explain Thread Life Cycle in detail. 4
- b) Write a program to demonstrate try-catch block. 4

OR

- c) Discuss various types of Exception in Java. 4
- d) Explain Thread Priority in detail. 4

Either:

4. a) Write a program to read contents from a file and display them. 4
b) Explain AWT components in detail give an example. 4

OR

- c) Explain following- 4
i) Corel Layout.
ii) Grid Layout.
d) Explain Graphics and Font class with suitable example. 4
5. Attempt all questions.
- a) Explain Java Virtual Machine in Java. 2
b) Write a short note on overriding in Java. 2
c) What do you mean by Named Thread, Explain in short. 2
d) What is Abstract window toolkit explain in short. 2
