

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

P. Pages : 2

Time : Three Hours



**GUG/S/25/13135**

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) Describe following 4
- i) JDK
- ii) JRE
- b) Write a program to demonstrate one dimensional Array in Java. 4

**OR**

- c) Explain nested loop with suitable example. 4
- d) What is Garbage collection in java explain in detail. 4

**Either :**

2. a) Explain following 4
- i) Default constructor.
- ii) Parameterized constructor.
- b) Write a program to demonstrate method overloading. 4

**OR**

- c) Write a note on 4
- i) Overloading
- ii) Overriding
- d) Explain multiple inheritance with suitable example. 4

**Either :**

3. a) Describe try-catch with suitable example. 4
- b) Define multi threading concept in detail. 4

**OR**

- c) Write a program to create your own exception. 4
- d) Explain the thread life cycle in detail. 4
- Either :**
4. a) Write a detailed note on Layout Manger in Java. 4
- b) Write a simple program to read a file in Java. 4
- OR**
- c) Write a note on: 4
- i) Flow layout
- ii) Border layout.
- d) Enlist AWT components and explain in brief. 4
5. Solve all the questions.
- a) Write a short note on JVM. 2
- b) Write a short note on unchecked exception. 2
- c) Explain thread priority in short. 2
- d) Write a short note on Card layout. 2

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