

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

P. Pages : 2

Time : Three Hours



GUG/S/23/13135

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Explain the features of JAVA in detail. 4
- b) What are Variables? Explain rules for variables and how to declare variable. 4

OR

- c) Explain the basic structure of Java program using suitable example. 4
- d) What is looping statement? Explain different types of iterative statements. 4

Either:

2. a) Explain different types of Access Modifiers using suitable example. 4
- b) What do you mean by Data Members? Explain syntax and rule for creating instance variable in detail. 4

OR

- c) Write a program to create a class which contains two methods with the same name but with different method signature. 4
- d) Write a short note on Interfaces using suitable example. 4

Either:

3. a) Explain in detail concept of Multithreading. 4
- b) Explain the Life Cycle of Thread in detail. 4

OR

- c) Define Exception. Explain the types of Exceptions. 4
- d) Explain the concept of Thread Priorities in detail. 4

Either:

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| 4. | a) | Explain the frame and panel in detail. | 4 |
| | b) | Define Layout Managers. Explain using suitable example. | 4 |

OR

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|-----------|----|--|----------|
| | c) | Explain the following 1) Check Box 2) List Box | 4 |
| | d) | Write a program to create an Applet and uses all the methods of Applets class. | 4 |
| 5. | | Attempt all the questions. | |
| | a) | Explain the Java Application in detail. | 2 |
| | b) | Explain the user define packages. | 2 |
| | c) | Explain the Event Delegation Model in brief. | 2 |
| | d) | Write a short note on Serialization. | 2 |
