

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

P. Pages : 2

Time : Three Hours



GUG/W/24/13135

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 the various features of Java in brief. 4
- b) Describe followings: 4
 - i) JDK
 - ii) JVM

OR

- c) Write a program to demonstrate nested if. 4
- d) Explain different data types available in Java in detail. 4

Either:

2. a) Describe following: 4
 - i) Class
 - ii) Object
- b) Write a program to demonstrate parameterized constructor. 4

OR

- c) Explain user defined package with suitable example. 4
- d) Describe Java interface in detail. 4

Either:

3. a) Explain the process of multi threading application. 4
- b) Write a program to demonstrate exception handling using try-catch. 4

OR

- c) Describe types of exception in detail. 4
- d) Explain Thread priorities in detail. 4

Either:

- 4. a) Define followings: 4
 - i) Grid Layout
 - ii) Caret Layout
- b) Describe string classes used in Java. 4

OR

- c) Explain Applet Life Cycle in brief. 4
- d) Write a detailed note for file class. 4

- 5. Solve all the questions.
 - a) Write a program to demonstrate while loop. 2
 - b) Write a short note on 'this' keyword. 2
 - c) Explain multithreading in short. 2
 - d) Write a short note layout manager. 2
