

B.Sc. III (with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4516-Computer Science : Paper-II : Elective-III : Java

P. Pages : 2

Time : Three Hours



GUG/W/16/5633

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a neat and labelled diagrams if necessary.

Either

1. a) Why Java is called true object oriented language. 5
b) Explain the mechanism of Garbage Collection. 5

OR

- c) Explain the advantages of Java in detail. 5
d) Differentiate between single way and multi way control statements. 5

Either

2. a) Write a note on. 5
i) 'this' keyword.
ii) Finalization.
b) Explain the objects in Java. 5

OR

- c) Differentiate between class variables and instance variable. 5
d) Explain user defined packages. 5

Either

3. a) Explain multiple catch statements with suitable example. 5
b) What is exception? How to handle it. 5

OR

- c) Explain the life cycle of multithreading. 5
d) Explain the thread Priorities with example. 5

Either

4. a) Explain AWT in brief. 5
b) Explain. 5
i) Grid layout
ii) Flow layout

OR

- c) What is Applet? Write a program to display 'Java is interactive language' in applet. **5**
- d) What is event? Explain event source and handlers. **5**

5. Solve all the questions.

- a) Write a program to calculate area of rectangle using applet. **2½**
- b) Explain Inheritance. **2½**
- c) Explain Throws keyword. **2½**
- d) Differentiate between event source and listener. **2½**
