

B.E.(with Credits)-Regular-Semester 2012-Computer Technology Sem V
CT503 - Java Programming

P. Pages : 2

Time : Three Hours



GUG/W/16/3712

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) State & explain the applications of object oriented programming. Discuss benefits of object oriented programming. **8**

b) Why java is said to be robust secure, portable & architecture neutral? Explain it. **8**

OR

2. a) Explain data type conversion & casting feature of java with an example. **8**

b) Describe left shift & right shift operators in java with program code. **8**

3. a) When to use super keyword & why? Explain with example. **8**

b) What are the similarities between interface & class? Explain with example. **8**

OR

4. a) State the differences between method overloading and overriding with program. **8**

b) State the steps to create user defined package. Write a program to create user defined package. **8**

5. a) How to create user defined exception? Explain with example. **8**

b) Explain nested by block with a program. **8**

OR

6. a) Which methods are useful in effecting inter-thread communication? Discuss them in detail. **8**

b) Write a program to create two threads, so one thread will print odd numbers whereas second thread will print even numbers between 1 to 20 numbers. **8**

7. a) How do applet differ from application program? Explain with example. **8**

b) Write an applet to receive the value of the parameter message from the html file & display it in center of the form. **8**

OR

8. a) What is an Listener Interface? State different types of listener interface and explain any two types in detail. 8
- b) Write a program to implement check box using AWT & also handle the events. 8
9. a) Differentiate between AWT & swing component. Why swing components are known as light weight components? 8
- b) Create a swing application having two buttons named alpha & beta. When either of the button pressed, it should display "alpha pressed" or "beta pressed" respectively. 8

OR

10. a) Explain TextEvent class with program code. 8
- b) Why there is a need of java beans? State & explain different types of java beans. 8
