

AR – 650

Fifth Semester B. C. A. (Part – III) Examination

CORE JAVA – 5 ST 1

P. Pages : 3

Time : Three Hours]

[Max. Marks : 60

- Note :** (1) All questions are compulsory.
(2) All questions will carry equal marks.
(3) Assume suitable data wherever necessary.

1. (a) What is JVM ? Explain with suitable example. 6
(b) Describe string class with its method. 6

OR

2. (a) Write a Java Program to find the greatest number from given three numbers. 6
(b) Explain command line argument with example. 6
3. (a) Explain the concept of constructor overloading with suitable example. 6
(b) Explain :—
 - (i) Abstract class
 - (ii) this keyword. 6

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OR

4. (a) Explain different types of Inheritance. 6
(b) State difference between overloading and overriding with example. 6
5. (a) List the steps for creating a package, How do you access a particular package in your file ? 6
(b) Explain need of Interface in Java Programming. 6

OR

6. (a) What is meant by predefined package ? Explain. 6
(b) State and explain the difference between a class and interface. 6
7. (a) Explain thread cycle with diagram. 6
(b) Explain :—
(i) Thread Model
(ii) Nested Try Statement. 6

OR

8. (a) Explain the difference between throw and throws. 6
(b) What is an exception ? What happens when an exception is not handled in Java. 6
9. (a) Write a program to demonstrate check box component. 6
(b) What is layout manager ? Explain. 6

OR

10. (a) Explain Applet life cycle with example. 6
(b) Explain :—
(i) paint ()
(ii) update ()
(iii) repaint (). 6