K15P 0533

Reg. No. : ....

Name : ....

Third Semester MCA Degree (Reg./Supple./Improv.)
Examination, January 2016
(2014 Admn.)
MCA3C14 : PROGRAMMING IN JAVA

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **any ten** questions. **Each** question carries **three** marks.

1. Compare and contrast bytecode and JVM.

2. Discuss the type conversion with suitable examples.

3. Define classes and objects.

4. What are the significant features of abstract classes ?

5. Define package.

6. What are the merits of multi threading ?

7. List out the Java built in exceptions.

8. What are the merits of component and container ?

9. What are the methods of AWT classes ?

10. What are the properties of panel and frame ?

11. Mention the significant features of Event Listener interfaces.

12. List out the goals of JDBC driver.

(10×3=30)

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SECTION – B

Answer **all** questions. **Each** question carries **ten** marks.

13. a) List out the various features of object oriented programming. 4

   b) Discuss the primitive data types of Java Programming. 6

   OR

   c) Discuss the various control statements with suitable examples. 5

   d) Write an applet program for displaying squares and cubes from 1 to 9. 5

14. a) Compare and contrast overloading methods and overriding methods in Java Programming. 10

   OR

   b) How to implement multiple inheritance in Java Programming ? Explain with suitable examples. 10

15. a) Explain how to create a user packages in Java programming with suitable examples. 10

   OR

   b) Define exception handling. Describe the procedure methods of exceptional handling with suitable examples. 10

16. a) Define Applet, explain the life cycle of an Applet. 10

   OR

   b) Explain the AWT control functions, discuss the properties of menu and layout manager. 10

17. a) Explain the importance of event handling functions, discuss the three classes of event classes. 10

   OR

   b) Discuss the importance of blobs and clobs with suitable examples. 10

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