IV Semester B.Tech. Examination, Feb./March 2010
JAVA PROGRAMMING

Time : 3 Hours   Max. Marks : 80

Instructions : *Answer **all** questions in Part **A**, **6** out of 8 questions in*
*Part **B** and **3** out of 5 questions in Part **C**.*
*Part **A** : Questions from **1** to **8** carry **1** mark and*
*   **9** to **14** carry **2** marks **each**.*
*Part **B** : **Each** question carries **5** marks.*
*Part **C** : **Each** vquestion carries **10** marks.*

PART – A

1. What is the use of JVM ?

2. Why is Java strongly typed programming language ?

3. What is data abstraction ?

4. What is a Literal ?

5. Define Constructor.

6. Define 1 dimensional and 2 dimensional array.

7. How to import a package ?

8. What is finalization ?

9. What are the different access specifiers ?

10. What is a package? How to define a package ?

11. How do we set priorties for threads ?

12. Compare Input Stream and Reader classes.

13. How applet differs from application programs ?

14. Draw the hierarchy of Exception.

P.T.O.

PART – B

1. Explain the features of Java and say why it is important.

2. Explain static block and static methods with suitable example.

3. Explain the use of thread methods such as Yield(), Stop()Ans Sleep() in detail.

4. Compare and contrast Java and C++ in detail.

5. Explain Constructor Overlaoding with an example.

6. Explain about creating and accessing packages with an example program.

7. Explain InputStream class hierarchy with an example program.

8. Explain the Event Handling mechanism with an example.

PART – C

1. Write a program for sorting of strings and searching of string from an array.

2. Define Interfaces and how to implement it with a Java program.

3. Explain about Synchronization of threads.

4. Explain the Layout Manager in Java.

5. Write a program to demonstrate the lifecycle of an applet.

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