S.Y.B.Sc IT
SEMESTER IV
CORE JAVA

TIME: 2 ½ HOURS   MARKS: 75

N.B: ALL QUESTIONS ARE COMPUSORY
       FIGURES TO THE RIGHT INDICATE FULL MARKS.
       EXPLAIN WITH HELP OF PROGRAMS, FLOWCHARTS AND
       EXAMPLES WHEREVER NECESSARY

Q.1 ANSWER THE FOLLOWING (ANY THREE):   15

A) Describe Java virtual machine
B) Describe Java's platform independence
C) Explain lambda expression in Java
D) Explain the auto boxing in Java
E) Describe data types in Java
F) Explain increment and decrement operators in Java

Q.2 ANSWER THE FOLLOWING (ANY THREE):   15

A) Describe the switch case statement
B) Describe the foreach loop
C) Explain class and its attributes in Java
D) Explain constructors overloading in Java
E) Describe parameterized functions in Java
F) Explain garbage collection in Java

Q.3 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):   15

A) Access control in Java
B) Creating an Interface in Java
C) Abstract methods in Java
D) Using a Package in Java
E) Implementing multiple interfaces in Java
F) Inheritance types in Java

Q.4 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):   15

A) Types of arrays in Java
B) Working with Vectors in Java
C) Runnable Interface in Java
D) Exception handling in Java
E) Character stream in Java
F) Writing console input in Java

Q.5 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):   15

A) Event class in Java
B) Radio buttons in Java
C) Check boxes in Java
D) Scrollbars in Java
E) Flow Layout in Java
F) Border layout in Java

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