Marks:75

Time: 2½ hrs.

Note:
1. All questions are compulsory with internal choice.
2. Draw neat diagrams wherever necessary.
3. Figures to the right indicate full marks.

Q.1   Answer the following (any three)   (15)
(a) Explain non-primitive data type : String.
(b) Give and explain any 5 features of Java?
(c) Explain the terms : a) JVM b) JRE
(d) How is the structure of Java program?
(e) What are Java Tokens?
(f) How to accept user input? List and Explain the methods.

Q.2   Answer the following (any three)   (15)
(a) How is method declared in java?
(b) What is 'for' loop and 'for-each' loop in java? Example.
(c) Explain the 'do....while' loop with an example.
(d) What are Objects in Java?
(e) What is static method and static block? Give example .
(f) Describe this Keyword with an example.

Q.3   Answer the following (any three)   (15)
(a) Explain 'super' keyword with example.
(b) Difference between Abstract Class & Interface
(c) What is predefined packages ? What are the advantages?
(d) Explain abstract class and abstract methods.
(e) What is Multi-level inheritance in java? Give example .
(f) What is concept of Overriding in Java and what are the rules of overriding?

Q.4   Answer the following (any three)   (15)
(a) Which are commonly used methods in multithreading?
(b) Difference between process and thread.
(c) What is Reading Console Input? Explain any 5 subclasses of InputStream class.
(d) What is Java finally block with an example?
(e) What are vectors with an example?
(f) How do we access data in 2D array?

Q.5   Answer the following (any three)   (15)
(a) What is awt and explain components of AWT.
(b) What is Member inner class?
(c) Explain the interfaces : FocusListener, ActionLisitener, ItemListener
(d) Explain BorderLayout.
(e) Explain the term : Label and Button.
(f) Explain FlowLayout.

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