

Duration: 2.5 hr

H51910OJA

Total Marks:- 75

- Note:** (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Figures to the right indicate marks to a sub-question.

Q.1. Answer the following

(15)

a. Multiple Choice Questions :-

(5)

1. Which of these can not be used for a variable name in Java?
 - a) identifier
 - b) keyword
 - c) identifier & keyword
 - d) constant
2. Which of these are selection statements in Java?
 - a) if()
 - b) for()
 - c) continue
 - d) break
3. Which method can be defined only once in a program?
 - a) main method
 - b) finalize method
 - c) static method
 - d) private method
4. What is not type of inheritance?
 - a) Single inheritance
 - b) Double inheritance
 - c) Hierarchical inheritance
 - d) Multiple inheritance
5. Which of these keywords must be used to monitor for exceptions?
 - a) try
 - b) finally
 - c) throw
 - d) catch

b) Fill in the Blanks:-

(5)

1. JVM stands for _____.
2. Keywords are also called _____.
3. = symbol is _____ operator.
4. HttpServlet is _____ dependent.
5. Java does not support _____ inheritance.

c) Answer the following in one or two lines:-

(5)

1. What is comment?
2. What is class?
3. What is JSP ?
4. What is JButton?
5. What is constructor?

Q2. Attempt The following (Any three)

(15)

1. What are Arithmetic operators in Java? Explain with an example.
2. WAP to get a number from the user and print whether it is positive or negative.
3. Explain for loop with an example.
4. What is overloading? Explain with an example.
5. What is package? Give an example of pre-defined package.
6. What is exception handling? Explain with an example.

Q3. Attempt The following (Any three)

(15)

1. Explain any 5 swing components.
2. WAP which demonstrates the use of JCheckBox.
3. Explain Border Layout with an example.
4. What is Event? Explain any 5 event classes.
5. Explain the steps in JDBC to access a database table.
6. Explain Type-1 and Type-2 JDBC drivers in detail.

Q4. Attempt The following (Any three)

(15)

1. Write short note on CGI. Discuss its advantages and disadvantages.
2. Explain Generic Servlet class with its methods.
3. Explain different phases of servlet Life Cycle.
4. What is the role of JSP? Explain it in detail.
5. What is scriptlets? Explain with suitable example.
6. Explain the Implicit objects of JSP.

Q5. Attempt The following (Any three)

(15)

1. What is Abstract class and abstract methods?
2. Write a short note on Java comments.
3. Write a short note on Prepared Statement.
4. Write the difference between Swing and AWT.
5. Write a Servlet Login Program.
6. Discuss the advantages of Servlet.