MCS12 — ADVANCED JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Define design pattern. Explain its usage in Java.

Or

(b) Explain Adapter pattern with an example.

2. (a) Explain the various event classes available in Java.

Or

(b) Write a Java program to design login form.

3. (a) Explain the steps to develop the JDBC application in Java.

Or

(b) Illustrate the usage of Result set in Java data manipulations.

4. (a) Distinguish between Applet and Servlet.

Or

(b) Explain the life cycle of Servlet.

5. (a) Explain the elements of form tag.

Or

(b) Discuss about the interactivity with AJAX.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain singleton design pattern with examples.

7. Elucidate the life cycle of an Applet.

8. Explain the components of JDBC Architecture.

9. Briefly explain the steps of session tracking using Java Servlet.

10. Illustrate the concept of client side validation using java script with an example.