MCS12 — ADVANCED JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Compare adapter pattern and Proxy pattern with an examples.

   Or

   (b) Write a short note on collection framework.

2. (a) List out the steps for developing applet programs.

   Or

   (b) Write short note Swing component class.

3. (a) What is meant by socket programming? Give an example.

   Or

   (b) What are Sockets and Threads?

4. (a) List out the strengths of Servlet.

   Or

   (b) List and explain the various tags used in JSP.

5. (a) How the content structuring can be done in XML?

   Or

   (b) Write a short note on client-side programming technologies.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Write brief note on template pattern and mediator pattern.

7. Write an applet program to print your bio-data in neat format.

8. Describe the steps for creating a new database and table with JDBC with an example.

9. Discuss the following with examples

   (a) Generic Servlet

   (b) Uses of Servlet.

10. Explain with sample program in Java Script to client-side validation.