MCS12 — ADVANCED JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Distinguish between Comparable and Comparator interface.

Or

(b) Explain the following set classes with example
   (i)   Hash Set
   (ii) Linked Hash Set
   (iii) Tree Set

2. (a) Write note on Applet tag with parameters.

Or

(b) Write down the methods of Graphics class.

3. (a) Explain the following
   (i)   Datagram Packet
   (ii) Datagram Socket

Or

(b) Discuss about URL class in Java.

4. (a) Develop a simple application using HTTP servlet.

Or

(b) Illustrate the advantages of JSP over servlet.

5. (a) Write short note on AJAX.

Or

(b) Describe the form tag and its attributes with example.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain various types of behavioural pattern.

7. Describe any four layout manager with example.

8. Write a Java code to communicate server with client using TCP.

9. Describe the scripting elements of JSP.

10. Explain the types of attributes in XML.