

Full Marks : 70

Time : 3 hours

Question No. 1 is compulsory. Attempt any five questions selecting from Question No. 2 to 8

*The figures in the right-hand margin indicate marks*

1. Answer *all* the following questions : 2 × 10
- (a) What is the difference between HTTP Servlet and Generic Servlet?
  - (b) What is the role of <hr> tag and the different attributes associated with this tag?
  - (c) What are the different types of Enterprise Beans?
  - (d) Name some of the attributes in Page directive.
  - (e) What is the difference between RMI and Servlet?
  - (f) Describe the role of JNDI?

- (g) What is a Form Object and what are its different properties?
- (h) What are the advantages of using Java Script in programming?
- (i) Name the different dialog boxes provided by Java Script.
- (j) What is the role of scriplet in JSP?
2. (a) What is CGI and what is the advantages of servlets over CGI? 5
- (b) Describe the life cycle of servlet. 5
3. (a) What are the different types of JDBC driver? 4
- (b) Explain using a program how connection can be made to a database using JDBC. 6
4. What is RMI and explain the RMI architecture in detail. 10
5. Describe the Scripting Elements in JSP in detail and write a Java program using scripting elements. 10
6. (a) How does EJB differs from Java beans? 4
- (b) Explain the different Enterprise Beans in detail. 6

7. (a) What is the structure of a JDBC program and write a Java program to fetch the records of a table and display the records using JDBC? 7
- (b) Describe the different components of JDBC package. 3
8. Write short notes on the following: 10
- (a) JAR Files
- (b) JSP Directives
- (c) Applet Skeleton
- (d) MVC Architecture.