

Advanced JAVA Nov 2006 Elective 1

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CON/4467(c)-06.

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XE-4531

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is Compulsory.
 (2) Attempt any **four** question from remaining Question Nos. 2 to 7.
 (3) Draw labelled **neat** diagrams wherever **necessary**.

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|----|-----|---|----|
| 1. | (a) | Write a short note on:-- | 8 |
| | | (i) JButton. (ii) JTable. | |
| | (b) | Describe various Implicit objects of the JSP? What is the scope of those objects? | 6 |
| | (c) | Explain Cookies in HTTP? How it is used in session tracking? | 6 |
| 2. | (a) | Explain Session Tracking in Servlet? And what are the two ways of session tracking in servlet. List atleast 3 methods in HttpSession? | 8 |
| | (b) | What is a JAR files? What are the options available with the JAR files? | 6 |
| | (c) | Write a program using JDBC API to create the following table student_details in microsoft access:
1. Create a table with detail as Student_name varchar2(50), age varchar2(20), phone_number number(10) | 6 |
| 3. | (a) | Answer the following:-- | 8 |
| | | (i) What are the major differences in comparison between JSP and ASP? | |
| | | (ii) Explain the concept of Introspection of the Bean? | |
| | (b) | Explain what is a Swing? List the advantages of Swing. | 6 |
| | (c) | Write a Session Servlet program to create a form which accepts user information and find number of visits to the page. | 6 |
| 4. | (a) | Explain Constrained property of Beans briefly. | 8 |
| | (b) | Explain different types of JDBC Driver Managers. | 6 |
| | (c) | Explain Java Server Pages (JSP) ? What are the the advantages using JSP over Servlets? | 6 |
| 5. | (a) | What is meant by Design Pattern of the Beans? What are the property types that support design patterns? | 8 |
| | (b) | Write short note on Session Management in JSP. | 6 |
| | (c) | Write a program using Swing API and Add event listeners to create a hierarchy of Computer Science and I.T department using JTree components. And on selecting any of the nodes, the path should display on the TextField. | 6 |
| 6. | (a) | What are the seven basic steps for using JDBC to access a database? Explain briefly with syntax. | 8 |
| | (b) | Explain BeanInfo Interface briefly. And what are the different Descriptors that contain in BeanInfo classes? | 6 |
| | (c) | Write a program using JSP tags to Compute Factorial numbers from 1 to 10. | 6 |
| 7. | (a) | Answer following:-- (any two): | 10 |
| | | (i) What is a Java Beans? What are the advantages of using Java Beans?. | |
| | | (ii) Explain JDBC Driver Model. | |
| | | (iii) Explain Synchronization issues in JSP. | |
| | (b) | Write a short notes on:-- (any one) | 4 |
| | | (i) JSP Access Models. | |
| | | (ii) Life cycle of Servlet. | |
| | (c) | What are the various JSP tags available? | 6 |