

Code No: R32055

R10

Set No: 1

III B.Tech. II Semester Regular and Supplementary Examinations, May/June -2014

ADVANCED JAVA AND WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 Hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is a function? Explain how parameters are passed to functions in javascript.
(b) Explain how Frames are created with an example.
(c) Write about types of CSS.
2. (a) Explain Operators in PHP.
(b) Write about PHP Control Statements with syntax.
3. (a) Design & Develop an XML schema for student information management. Include every feature available with schema.
(b) Write about Document Type Definition.
4. Take the Juggler Bean available in BDK and build an application which controls the Juggler Bean with Buttons. Develop the necessary code to exhibit the bound properties of java beans with the above mentioned beans.
5. Explain the functionality of javax.servlet package for web servers. Discuss about various classes and interfaces of the package.
6. (a) What is JSP and explain JSP application design with MVC Architecture.
(b) Explain about JSP Elements in detail.
7. (a) List and explain the steps involved in a basic JDBC program.
(b) Write about Interfaces in javax.sql package.
8. (a) What is AJAX and Explain about it.
(b) Write about integrating AJAX with PHP.

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1. (a) What is HTML? Explain Common HTML tags with an example.
(b) Explain how Forms are created with an example.
(c) Write about internal CSS with an example.
2. (a) Discuss how Arrays are used in PHP with an example.
(b) Write and Explain a PHP program to connect a database & display the table information.
3. (a) Differentiate between DTD & XML Scheme with an example.
(b) Write about SAX Parser in detail.
4. (a) Define Java Bean and explain JavaBean Properties.
(b) Write about BeanInfo Interface & its methods.
5. (a) Define Servlet and explain Servlet Life Cycle Mechanism.
(b) Explain how cookies are used in Servlets with an example program.
6. (a) Discuss in detail about Anatomy of JSP.
(b) Explain about sharing data using Sessions in JSP.
7. (a) List and explain the steps involved in deploying a JavaBean in JSP Page.
(b) Write about javax.sql package in detail.
8. (a) Define SOAP and Explain in detail about it.
(a) Write about WSDL.

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1. (a) What is HTML <TABLE> tag? Explain <TABLE> sub-tags with an example.
(b) Explain Java Script Date Object Functions with an example.
(c) Write about External CSS with an example.
2. (a) Discuss how Functions are used in PHP with an example.
(b) Write and Explain a PHP program to store registration form data in a database table.
3. (a) Differentiate between DTD & XML Scheme with an example.
(b) Write about DOM Parser in detail.
4. (a) Define Java Bean and explain JavaBean Properties.
(b) List and explain the steps to create a New JavaBean with an Example.
5. (a) What is Servlet and explain how Servlet can read initialization parameters.
(b) Explain about HttpServletRequest & HttpServletResponse interfaces.
6. (a) Discuss in detail about JSP Implicit Objects.
(b) Explain about sharing data and sessions in JSP.
7. Write about following:
(a) JDBC program to Insert Student Six Subject Marks into Database Table.
(b) JDBC Drivers.
8. (a) What is UDDI and Explain about it.
(b) Write in detail about AJAX.

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1. (a) Define HTML Table? Explain <TABLE> sub-tags with an example.
(b) Write about Java Script Objects.
(c) Write about Inline CSS with an example.
2. (a) Discuss how Variables & Constants are used in PHP with an example.
(b) Write and Explain a PHP program to connect a database & display the table information.
3. (a) Design & Develop an XML DTD for Employee Database. Include every feature available with DTD.
(b) Write about XML Schema.
4. (a) Define Java Bean and explain features of JavaBeans.
(b) Write about Constrained Properties in JavaBeans.
5. Explain the functionality of javax.servlet.http package for web servers. Discuss about various classes and interfaces of the package.
6. (a) What is the problem with Servlet and how JSP provides solution for these problems?
(b) Write about JSP error pages in detail.
7. (a) Explain the Cons & Prons of JDBC drivers.
(b) Write about javax.sql package in detail.
8. (a) What is AJAX and Explain about it.
(b) Write about Web Services in AJAX.
