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| **III B.Tech I Semester Regular Examinations, Model Question Paper**  **WEB PROGRAMMING**  **(Information Technology)**  **Time: 3 hours Max Marks: 70** |
| |  |  |  | | --- | --- | --- | | **Instructions:**   1. Question paper comprises of **Part-A** and **Part-B** 2. **Part-A** (for 20 marks) must be answered at one place in the answer book. 3. **Part-B** (for 50 marks) consists of **five questions with internal choice,** answer all questions.   **PART – A**  **(Answer ALL questions. All questions carry equal marks)**  **10 \* 2 = 20 Marks** | | | | **1. a.** | What are the core attributes of table tag? | **[2]** | | **b.** | Differentiate between a JSP & Servlets. | **[2]** | | **c.** | What are the features of Java Beans? | **[2]** | | **d.** | What are the attributes used for jsp:useBean tag? | **[2]** | | **e.** | How to initialize the parameters in Servlet? | **[2]** | | **f.** | Differentiate between GET and POST methods. | **[2]** | | **g.** | What are Java Beans components? | **[2]** | | **h.** | What are the actions elements in JSP? | **[2]** | | **i.** | What are the advantages of using struts? | **[2]** | | **j.** | List any four Classes of Interfaces from javax.sql.\* package. | **[2]** | | **PART – B**  **(Answer ALL questions. All questions carry equal marks)**  **5 \* 10 = 50 Marks** | | | | **2.** | **(a)** Create a HTML form for reading a student details: First Name, Last Name, Email,  Phone Number, DOB and Hobbies.  **(b)** Write a Java Script function to validate the Student details:  Name: Only alphabets are allowed,  Phone Number: It should have exactly 10 digits.  Email: Check for proper email format, positions of @ and dot. | **[10]** | | **OR** | | | | **3.** | **(a)** What are the different ways of applying CSS? Explain.  **(b)** List and explain different events in Java Script. | **[10]** | | **4.** | **(a)** What are the rules for creating a well-defined XML document? Create a sample  XML document for Employee details.  **(b)** Explain about bound properties in Java Beans. | **[10]** | | **OR** | | | | **5.** | **(a)** What are the differences between DTD and XML Schema? Explain with an  example.  **(b)** Explain about Java Bean API. | **[10]** | | **6.** | **(a)** Write a Servlet program to read the parameters from HTML page.  **(b)** Explain how the Session Tracking will be done using Servlets. | **[10]** | | **OR** | | | | **7.** | **(a)** Explain about handling request and responses in Servlets.  **(b)** Write a Servlet program to read and display Cookies from the browser. | **[10]** | | **8.** | **(a)** Explain about JSP directives with an example.  **(b)** Write a JSP program to explain the process of error handling in JSP. | **[10]** | | **OR** | | | | **9.** | **(a)** List and explain implicit objects in JSP.  **(b)** Explain about different Java Bean components in JSP. | **[10]** | | **10.** | **(a)** Differentiate Statement and Prepared Statement interfaces.  **(b)** Write a Servlet program to retrieve the data from the database. | **[10]** | | **OR** | | | | **11.** | **(a)** Explain different steps involved in a JDBC program.  **(b)** Write a JDBC program to validate the user credentials USERID and PASSWORD  from USER table in the database. | **[10]** | |
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