

Code No: D109115804**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I Semester Regular Examinations March 2010****JAVA AND WEB TECHNOLOGIES****(COMMON TO COMPUTER SCIENCE & ENGINEERING, COMPUTER SCIENCE,
SOFTWARE ENGINEERING, INFORMATION TECHNOLOGY, PARALLEL
COMPUTING, WEB TECHNOLOGIES, COMPUTER NETWORKS)****Time: 3hours****Max.Marks:60****Answer any five questions
All questions carry equal marks**

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1. a) Write a HTML script to manage personal details of a student like name, class, qualifications, photo, address etc., using tables and other suitable tags.
b) Write a JavaScript program to search for a particular pattern using the necessary JavaScript objects methods.
2. a) What is the purpose of XML Schema and DOM in Web Environment? Explain with an example, what are the advantages of XML Schema over DOM.
b) What is a Parser? Compare DOM and SAX parsers.
3. a) What is an Applet and what are its security restrictions?
b) Explain about how delegation event handling is used in AWT programming.
4. a) Explain Introspection in Java Beans.
b) Demonstrate with a suitable example the connecting of beans with events in the Bean Box.
5. a) What is a Web server and what are its functionalities? Discuss different web servers available in the market?
b) Discuss the structure of HTTP request and HTTP response in Servlets.
6. a) Explain about JSP application design with MVC.
b) Explain how error handling and debugging will be done in JSP.
7. a) What are different ways to provide session tracking in Web development and explain them with suitable script.
b) Write a JDBC program to update a record using Prepared Statement class.
8. Write short notes of the following:
 - a) Structure of http request and http responses.
 - b) Get and Post methods in web environment.
 - c) JSP action elements.
