

**END TERM EXAMINATION****SIXTH SEMESTER [B.TECH] JULY 2023****Paper Code: ETCS-308****Subject: Web Engineering/Web Technology****Time: 3 Hours****Maximum Marks: 75**

**Note: Attempt five questions in all including Q. No.1 which is compulsory. Select one question from each unit.**

- Q1 (a) State the lifecycle of Servlet. (5)  
 (b) How to prevent Cross site Scripting? (5)  
 (c) Explain the components of CSS with example. (5)  
 (d) Describe BIBA security model. (5)  
 (e) Explain how Fuzzers work. (5)

**UNIT-I**

- Q2 (a) Compare POP3 and IMAP. (5)  
 (b) Design a webpage for railway ticket reservation using XHTML. (7.5)
- Q3 (a) Briefly explain HTTP request messages. (2.5)  
 (b) Illustrate with an example styling of an HTML webpage. (5)  
 (c) What is the difference between XML DTD and XML schema. (5)

**UNIT-II**

- Q4 (a) Write a program to add and display cookies using JSP. (8)  
 (b) Explain event handling in JavaScript. (4.5)
- Q5 (a) Display HELLO name, where the name is retrieved from a "user form". (6.5)  
 (b) What is JSTL? (2.5)  
 (c) Describe Servlet architecture. (3.5)

**UNIT-III**

- Q6 (a) What is a Cookie? What is Cookie Poisoning? How can it be prevented? (6.5)  
 (b) Explain the term "Session management". (3)  
 (c) How Certification works? (3)
- Q7 (a) What is the purpose of a web application firewall? What are its limitations? (6.5)  
 (b) Discuss and differentiate authentication and authorization. (6)

**UNIT-IV**

- Q8 (a) Illustrate the latest trends in Web Technology. (6.5)  
 (b) State the key features of semantic web. (6)
- Q9 (a) Describe briefly how ubiquitous web affects our society. (6.5)  
 (b) Discuss the evolution of Web Technology. (6)

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