

Web Engineering

Time: Three Hours

Maximum Marks: 70

Note: i) Attempt one question from each unit. Each unit carry equal marks.

## Unit -1

1. a) How does DNS work in Internet? Also explain what are domain servers? 7
- b) What is meant by Uniform Resource Locator? Give an example of 'URL' and explain the meaning of its various fields. 7

Or

2. a) What is HTTP? Explain any four methods used by HTTP for data transfer. 7
- b) What do you understand by search engines? Write its types with relevant applications. 7

## Unit-II

3. a) Explain the web security and its issues. 7
- b) write process for web publishing. 7

Or

4. Write short notes on (any four):  $3^4=14$ 

- |                       |                            |
|-----------------------|----------------------------|
| a) Navigation system. | b) Conceptual Design.      |
| c) Page Mockups.      | d) Web site Design issues. |
|                       | e) High level Design.      |

## Unit-III

5. a) What is custom tag in JSP? What are the components that make up a tag library in JSP? 7
- b) Design a webpage using HTML and Javascript in which the background colour of the page changes on the click of the button. 7

Or

6. a) Explain how local and global functions can be written using Java script? 7
- b) What is the role of cookies? How its create? 7

## Unit-IV

7. a) What is XML? How XML is different from HTML? Are they complementing to each other? 7
- b) What is CSS? What are the different ways for creating 1 style sheet? Explain. 7

Or

8. a) What do you understand by semantic web? Also writes its services. 7
- b) Write the difference and similarity between SGML and XML. 7

## Unit-V

9. a) What is SSL? Describe briefly the two way SSL authentication mechanism. 7
- b) What is a cyber crime? What are different categories of cyber crimes? 7

Or

10. a) Explain the benefits of E-commerce to organizations, customers and society at large. 7
- b) Write short notes on RTGS and NEFT. 7