

1019
B.E. (Information Technology)
Fourth Semester
ITE-444: Internet and Web Technology

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Attempt the following:-

- a) Define Polymorphism?
- b) What is DNS?
- c) Define UXD in SDLC?
- d) What is CSS?
- e) Define POJO?

(5x2)

UNIT – I

II. a) What are UML class diagrams? Explain with suitable example

b) What is Inheritance? What are the different types of Inheritance? Give its significance? (5,5)

III. a) Explain TCP/IP model?

b) Write note on VPN and Proxy servers? (5,5)

IV. a) What are firewalls? Describe various forms of Firewall?

b) Describe the significance of HTTP protocol? (5,5)

UNIT – II

V. a) What is HTML? Describe the basic structure of HTML?

b) Define forms in HTML? Explain the elements of form with example? (5,5)

VI. a) What do we mean by DOM? What is DOM hierarchy? Design DOM for a Home page for the curriculum vitae?

b) Explain POJO' in context of business tier? (6,4)

VII. a) Write a note on presentation tier using JSP?

b) What are servlets? Discuss their role in server side programming with JSP? (5,5)

x-x-x