

Exam.Code:0923  
Sub. Code: 6945

1079

B.E. (Information -Technology) Fifth Semester  
ITE-575: 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) Classes as abstract data types
- b) Dependency injection strategy used in OOD
- c) Factors on which internet topology depends.
- d) Use of proxy server
- e) How authorization and authentication are different
- f) Features available in the navigation tool -bar of a browser
- g) Advantages of the application servers.
- h) Java Enterprise Edition role in Enterprise applications
- i) Differentiate between Client side Scripting and Server side Scripting.
- j) Differentiate between aggregation and composition. (10x1)

#### UNIT - I

- II. a) Draw Class diagram and Use case diagram for the Library Management or for Bank Operations by showing association between them.  
b) Explain the object process methodology and its three main processes. (5,5)
- III. a) What is the use of user experience design in SDLC? How it is different from prototyping.  
b) What is the need of layered architecture of protocols? Briefly explain TCP/IP model. (5,5)
- IV. a) Explain the HTTP Request/Response messages. What is the difference between HTTP Get and Post methods?  
b) In a classfull IP addressing, if a subnet mask 255.255.255.192 is given. How many no. of IPs are present in each subnet and how many subnets are there in each class? (5,5)

P.T.O.

(2)

UNIT - II

- V. a) How do you create links to sections within the same page? How do you create text on a webpage that will allow you to send an email when clicked?
- b) Explain the concept of client side scripting. Write down the Java script code to change the content of a webpage by clicking on a button. (5,5)
- VI. a) How a thread travels from each stage of its life? Write a program to construct a thread.
- b) Explain the architecture of JDBC. Write down its code for to connect to a database and check username and password to login on a jsp page. (5,5)
- VII. a) Write as short note on POJO and its frameworks.
- b) Explain the steps followed by JSP to process a client request. (5,5)

x-x-x