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**B.E. / B.Tech (Full Time) DEGREE REGULAR EXAMINATIONS, APRIL / MAY 2013**  
**ELECTRONICS AND COMMUNICATION ENGINEERING BRANCH**  
**SEVENTH SEMESTER (Regulations-2008)**  
**EC 9087 – INTERNET AND JAVA**

55

Time: 3 Hours

Max.Marks: 100

Answer ALL Questions

Part-A (10x2=20 Marks)

1. Briefly discuss Internet Protocol.
2. Define FTP?
3. List any four names of commonly used HTML tags.
4. What is the purpose of CGI. ?
5. List the JSP control statements.
6. What are JSP objects?
7. What is method overloading?
8. What is class? How does class accomplish data hiding?
9. Define web page.
10. What is the purpose of micromedia Dream Weaver ?

Part-B(5x16=80 Marks)

11.
  - (i) Explain Routing IP data grams Reliable stream transport service (TCP) TCP/IP over ATM networks. (16)
12.
  - (a) Describe webpage design using XHTML and DHTML with an example (16)

OR

  - (b)(i) Describe different techniques that are used to process XML files. (8)
  - (ii) What are the different kinds on entities? Discuss their properties. Write a Java program to validate an XML document against a DTD. (8)

13.

(a) Design a Registration Form using Java Script with validation for Railway Management System (16)

OR

(b) Create a web page using Java Script for Hospital management system containing a text, form, frames, different background color for each page. By using form collect the patient details; include disease, diagnostics and prescription details. (16)

14.

(a)(i) Explain basic concepts of Object Oriented Programming (6)

(ii) Assume that a bank maintains two account for its customers, one called savings account (SA) and the other current account (CA). The SA provides compound interest (CI) and withdrawal but no cheque book facility. The current account provides cheque book facility but no interest. Current account holder should maintain minimum balance and if balance fall below this level, a service charge is imposed. Create a class **account** that stores customer name, account number and type of account. From this derive the class **curr\_acct**. Include the necessary methods in order to achieve the following tasks :

(a).Accept deposit from customer and update the balance. (b).Display the balance  
(c).Compute the deposit interest (d).Permit withdrawal and update the balance.  
(e).Check for minimum balance and impose penalty, if necessary and update the balance. (10)

OR

(b)(i) Illustrate how classes are downloaded from a client to a server and from a server to a client using RMI. (8)

(ii) Explain multithreading concepts with necessary programs. (8)

15.

(a) Explain in detail about the different databases. (16)

OR

(b) Discuss Application web server with necessary examples. (16)

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