Roll No. ☐☐☐☐☐☐☐☐☐☐☐

B.E / B.Tech (Full Time) DEGREE EXAMINATIONS, APRIL/MAY 2014

Branch : CSE / IT

Semester **V**

CS 9022 INTERNET PROGRAMMING

(Regulation 2008)

Time: 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Highlight the feature of MVC pattern.
2. Explain the uses of API.
3. What is the difference between a servlet and JSP program?
4. What is the difference between presentation tier and EIS tier?
5. List the different types of session bean associated with EJB.
6. What is a deployment descriptor?
7. What is a web service?
8. What are the issues associated with mobile web services?
9. What is AJAX? Explain its uses.
10. What is the difference between a persistent and transient object?

Part – B (5 x 16 = 80 marks)

11. (i) Explain the process of creating and consuming a flight booking web service.   (8)

    (ii) Explain the architecture of J2ME.   (8)

12. (a) (i) Compare 2-tier and 3-tier architecture.   (8)

    (ii) List the different XML based API and highlight their uses.   (8)

OR

(b) (i) List the commonly used application servers and highlight their features.   (8)

    (ii) Explain how MVC pattern can be applied on a e-mail application.   (8)

13. (a) (i) Write a servlet program to validate a login page. (8)

(ii) Highlight the features of JAAS. (8)

OR

(b) (i) Write a JSP program to check the password and confirm password field or one and the same. (8)

(ii) Highlight the features of JMS. (8)

14. (a) (i) Highlight the features of J2EE framework. (8)

(ii) Write a stateless session bean to add two numbers. (8)

OR

(b) (i) What is an entity bean? List its types and compare them. (8)

(ii) Explain the different types of connections associated with JDBC. (8)

15. (a) (i) Highlight the features of Struts framework. (8)
(ii) Explain how an enterprise application can be developed using java framework. (8)

OR

(b) (i) Highlight the features of Hibernate. (8)

(ii) Explain how a component based used interface can be created. (8)