

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – III • EXAMINATION – WINTER • 2014****Subject code: 730102****Date: 27-11-2014****Subject Name: Advance Web Technology****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Differentiate following. **07**
1. Static webpage versus Dynamic webpage
2. Cookie versus Session object
- (b) Write java script program to validate user registration form with following validations. **07**
1. Username is must filed
2. Age must be numeric and between 18 and 60
3. Length of password must be more then 6 and it must contain at least one non alphanumeric character.
- Q.2** (a) Explain the role of web crawler in web search engine. Also discuss how web crawler works. **07**
(b) Explain the concept of inter query and intra query parallelism with suitable example. **07**
- OR**
- (b) What is the difference between well-formed and valid XML document. Write rules for well-formed XML document. **07**
- Q.3** (a) Draw and explain architecture of CORBA. **07**
(b) What do you mean by default root directory of web server? What is virtual directory? Explain need of virtual directory. **07**
- OR**
- Q.3** (a) Write a note on E-cash. **07**
(b) What do you mean by scalability of enterprise application? Give few suggestions to make application scalable. **07**
- OR**
- Q.4** (a) Write a dynamic page which prints user login data stored in database table. (Hint - you can write dynamic page using any technology of your choice.) **07**
(b) What is the difference between http and https? Is there any role of digital certificate in https? If yes then how? **07**
- OR**
- Q.4** (a) Write a dynamic page which prints current data and time on web server. (Hint - you can write dynamic page using any technology of your choice.) **07**
(b) What is responsive web design? How to make webpage design responsive? Also list advantages of responsive web design. **07**
- OR**
- Q.5** (a) Draw the architecture of Business to Business system and explain its working. **07**
(b) What is payment gateway? Explain working of Electronic payment system. **07**
- OR**
- Q.5** (a) Draw the architecture of Business to Consumer system and explain its working. **07**
(b) Write a note on web service. Also write web service code for addition of two numbers. **07**
