MUMBAI UNIVERSITY
Subject: Internet Programming
Semester: 5

[Total Time: 3 Hours]

[Total Marks: 80 M]

N.B : 1) Question No.1 is compulsory.

2) Attempt three questions out of remaining.

3) Figures to right indicate full marks.

Q.1 Answer the following.

a. Explain <Canvas> element in HTML5. **[05M]**

b. Explain UDDI. **[05M]**

c. Create an HTML page which will divide a page in two horizontal fragments using frameset tag, each frame should have different background color & different headings. **[05M]**

d. Differentiate between XML & HTML. **[05M]**

Q.2

a. Explain Geo-location and media query with an example in HTML5 and CSS3. **[10M]**

b. What is cross browser compatibility? Explain the issues related to cross browser compatibility. **[10M]**

Q.3

a. Explain features of Django Framework. **[10M]**

b. Write an HTML code to process placement registration form which accepts the student details like name, address, email-id, contact-number, date of birth, percentage, branch (must be selected using radio button) and technology-preferred (using checkbox). Write the JavaScript code to validate the following.
i. valid email id ("@" and ".")
ii. all the fields must be filled before submission of the form.
iii. percentage validation is minimum first class (= > 60 %) **[10M]**

Q.4

a. Draw the diagram of AJAX application model and traditional application web model and compare them. **[10M]**

b. Create an HTML form to accept the details like Name (Text field), Address (Textarea), Gender (Radio) and Company Name (Dropdown box) fields from user, Write a PHP code to store this information into employee table using MySQL database . **[10M]**

Q.5

a. Explain architecture of JSON mash-ups in detail with neat diagram. **[10M]**

b. Explain XML & DTD with example. **[10M]**

Q.6

a. Write a HTML5 code for embedding audio & video elements in web page. **[10M]**

b. Differentiate between REST & SOAP. **[05M]**

c. Explain characteristics of Rich Internet application (RIA) .**[05M]**