T.E. (IT) (Sem-V) (CCB)

Date- 19/11/19

(3 Hours) [Total Marks: 80]

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. [05]
b. Explain UDDI. [05]
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. [05]
d. Differentiate between XML & HTML. [05]

Q.2
a. Explain Geo-location and media query with an example in HTML5 and CSS3. [10]
b. What is cross browser compatibility? Explain the issues related to cross browser compatibility.
   [10]

Q.3
a. Explain features of Django Framework. [10]
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 %) [10]

Q.4
a. Draw the diagram of AJAX application model and traditional application web model
   and compare them. [10]

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 . [10]

Q.5
a. Explain architecture of JSON mash-ups in detail with neat diagram. [10]
b. Explain XML & DTD with example. [10]

Q.6
a. Write a HTML5 code for embedding audio & video elements in web page. [10]
b. Differentiate between REST & SOAP. [05]
c. Explain characteristics of Rich Internet application (RIA). [05]

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