END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY 2019

Paper Code: BCA 204	Subject: *Web Technologies*
Time : 3 Hours	Maximum Marks :75

**Note: Attempt any five questions including Q. No. 1 which is compulsory.
Select one question from each unit.**

Q1. Attempt **any five** of the following: (5x5=25)
   a) Differentiate between Java and Java Script.
   b) Differentiate between Container and Empty Tag. Give five examples of Empty Tags.
   c) Write a note on History of Internet.
   d) What is Cascading Style Sheet? Write advantages of using CSS with HTML.
   e) Explain Document Object Model.
   f) Explain Web Portal and its types.
   g) Explain Font Tag in HTML by giving an example.

Unit-I

Q2. What are frames? What are advantage and disadvantage of using frame while designing web site? Write program to design the following frame and link each frame with 5 different web pages. (12.5)

Q3. a) What is Hotspot? Explain different types of hotspots by considering an Image Map of your choice. (6.5)
   b) Design a student registration form in HTML which includes Name, Password, Gender, Address, Hobbies and a Text area for Comments. (6)

Unit-II

Q4. a) Briefly explain various built-in objects in Java Script by giving a suitable example of each. Also difference between "Inner HTML", "Outer HTML" and "Inner Text". (6.5)

   b) Write a program in Java Script that receives a number from the user and displays the factorial of that number. (6)

Q5. a) Explain various types of CSS with the help of an example. (6.5)
   b) Explain different ways through which Javascript code can be attached with web page. (6)

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Unit-III

Q6. What is the use of Filters and Transitions in DHTML? Write a program to show transition effect on an image of your choice. **(12.5)**

Q7. a) Write a program to show the use of onclick, on mousehover and onmouseout events. **(6)**

b) Differentiate between HTML and DHTML. Explain any five filters of your choice that can be applied to a given image. **(6.5)**

Unit-IV

Q8. a) Differentiate between HTML and XML. **(6)**

b) What is Web Hosting and Web Publishing? Explain any web publishing tool in brief. **(6.5)**

Q9. a) What is XML? Briefly explain its various building blocks. **(6.5)**

b) Explain various XML Parsers in details. **(6)**

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P2