2022

(July)

MCA

Paper Code: **MCA-0805.5**

Web Technology

(Theory)

Full Marks: **75**

Duration: **3 Hours**

The figures in the margin indicates full marks for the questions

Answer any **one (1)** question from each **UNIT**

UNIT-I

1. (a) Write a brief note on ARPANET. Explain the levels of internet connectivity in detail. (2+4=6)

   (b) Explain the differences between FTP and TFTP. (4)

   (c) What is an E-mail? List out the differences between POP3 and SMTP. (1+4=5)

2. (a) What do you understand by proxy server? What are the purposes of using proxy server? (4)

   (b) What is W3C? Explain the functions of W3C. (2+4=6)

   (c) Write a short note on World Wide Web. (5)

UNIT-II

3. (a) Describe the use of <select> XHTML form element with an example. (5)

   (b) Explain how elements are defined in a DTD document for an XML document. (5)

   (c) What is XML? Explain the entity references used in XML with suitable example. (2+8=10)

4. (a) What is XML Schema? What is the purpose of XML Schema? Explain the advantages of XML Schema over DTD. (2+4+4=10)

   (b) Explain CSS in detail. Explain the differences between External Level StyleSheet and Document Level StyleSheet. (4+6=10)

UNIT-III

5. (a) What are the features of JavaScript? Justify that JavaScript is an event-driven programming with a suitable JavaScript code. (2+8=10)

   (b) Differentiate between client-side scripting language and server-side script language with suitable example for each. (6)

   (c) What is the difference between **indexOf ()** and **lastindexOf ()** function? Explain with example. (4)

6. (a) What is timing event in JavaScript? What are the methods used to accomplish
timing events? (2+4=6)

(b) Write down the differences between the GET and POST http request method. (4)

(c) What are the ways to find HTML elements in Javascript? Explain with example
for each. (4+6=10)

UNIT-IV

7. (a) How to establish a connection with MySQL server database using PHP script?
Explain with an example. (2+4=6)

(b) What is a container in bootstrap? Explain different types of container in detail.
(2+6=8)

(c) What are the different types of array in PHP? Explain with suitable examples.
(2+4=6)

8. (a) How is a function in PHP defined? What is the difference between formal and
actual arguments? Write a PHP program to find the factorial of a number
recursively using function. (2+3+5=10)

(b) Define bootstrap. What is bootstrap grid system? (2+3=5)

(c) Explain the string functions in PHP. (5)

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