Roll No: ☐☐☐☐☐☐☐☐☐☐☐☐☐

MCA
(SEM III) THEORY EXAMINATION 2021-22
WEB TECHNOLOGY

Time: 3 Hours   *Total Marks: 70*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1.   **Attempt *all* questions in brief.**   **2 x 7 = 14**

a.	What are the various styles in CSS?
b.	Mention the elements located within <head> and </head> element.
c.	What are the objects in JavaScript?
d.	Define protocol suite.
e.	How can we create a database using PHP and MySQL?
f.	What language does MySQL use?
g.	Compare SGML and XML.

SECTION B

2.   **Attempt any *three* of the following:**   **7 x 3 = 21**

a.	What is XML namespace? How is XML parsing done with SAX?
b.	Differentiate between HTML and DHTML. How do you ensure the security of a website at the server side?
c.	What are the communication issues of the web development strategies?
d.	How you can connect MySQL database with the help of PHP? Give one example. Write PHP script for following (any two): i. Fill combo box from MySQL database ii. Image upload script iii. Registration script.
e.	What are the features of JavaScript? Write a program in java script to display "Hello". Also show the usage of FOR statement by taking an example.

SECTION C

3.   **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)	What do you understand by CSS? Explain different types of CSS with examples.
(b)	Write HTML code to develop a web page having two frames that divide the page into two equal rows and divides the first row into equal columns. Fill each the different background color.

4.   **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)	Explain the benefits of PHP? Write a PHP code to demonstrate array handling (i.e. numeric, associative and multidimensional).
(b)	What is Document Type Definition (DTD) in XML? Illustrate with suitable examples.

5.   **Attempt any *one* part of the following:**   **7 x 1 = 7**

Roll No:

(a)	What do you mean by cookies? How are they created? Can they be used for session management? Explain your answer and use suitable examples wherever required.
(b)	Explain advantages and disadvantages of MySQL. Write steps to establish connection from PHP to MySQL with suitable example.

6.   **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)	What are objects in JavaScript? Write a Script to generate random numbers.
(b)	What are the various font properties available in CSS?

7.   **Attempt any *one* part of the following:**   **7 x 1 = 7**

(a)	Explain the following acronyms
	  i. HTTP
	  ii. FTP
	  iii. URL
	  iv. SMTP

(b)	Explain the idea behind using the CAPTCHA kind of challenge-response authentication in websites.