

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

MCA

SEM: III - THEORY EXAMINATION (2022 - 2023)

Subject: Web Technology

Time: 3 Hours

Max. Marks: 100

General Instructions:

IMP: Verify that you have received the question paper with the correct course, code, branch etc.

1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.
2. Maximum marks for each question are indicated on right -hand side of each question.
3. Illustrate your answers with neat sketches wherever necessary.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

SECTION A

20

1. Attempt all parts:-

- 1-a. The elements and have the following characteristics[CO1] 1
- (a) Element inherits properties defined for in a stylesheet
 - (b) And have no real meanings as html tags unless stylesheet is applied
 - (c) Elements and define content to be inline or block-level
 - (d) And are used as alternatives for the element
- 1-b. The communication protocol used by the Internet to transfer hypertext documents is 1
 ____[CO1]
- (a) Hyper Text Internet Protocol
 - (b) Hyper Text Transfer Protocol
 - (c) Internet protocol
 - (d) File Transfer Protocol
- 1-c. The property in CSS used to change the background color of an element is -[CO2] 1
- (a) bgcolor
 - (b) color

- (c) background-color
- (d) All of the above
- 1-d. Which type of JavaScript language is ____ [CO2] 1
- (a) Object-Oriented
- (b) Object-Based
- (c) Assembly-language
- (d) High-level
- 1-e. The web development environment (JavaScript) offers which standard construct for data validation of the input entered by the user. [CO3] 1
- (a) Controlled loop constructs
- (b) Server page access
- (c) Client side Event
- (d) Permit server-side
- 1-f. The basic difference between JavaScript and Java is _____ [CO3] 1
- (a) There is no difference
- (b) Functions are considered as fields
- (c) Variables are specific
- (d) Functions are values, and there is no hard distinction between methods and fields
- 1-g. What is the use of isset() function in PHP? [CO4] 1
- (a) The isset() function is used to check whether variable is set or not
- (b) The isset() function is used to check whether the variable is free or not
- (c) The isset() function is used to check whether the variable is string or not
- (d) None of the above
- 1-h. Which of the following function is used to unset a variable in PHP? [CO4] 1
- (a) delete()
- (b) unset()
- (c) unlink()
- (d) None of the above
- 1-i. If there is no error, then what will the error() method return? [CO5] 1
- (a) TRUE
- (b) FALSE

	(c) Empty String	
	(d) 0	
1-j.	Which “text type” has the maximum number of bytes?[CO5]	1
	(a) Tiny text	
	(b) Text	
	(c) Medium text	
	(d) Long text	
2.	Attempt all parts:-	
2.a.	Explain how can you set an image as a background on web pages?[CO1]	2
2.b.	Explain the structure of the HTML webpage.[CO2]	2
2.c.	Enumerate the differences between Java and JavaScript?[CO3]	2
2.d.	What are the differences between echo and print?[CO4]	2
2.e.	What is the purpose of constant() function?[CO5]	2
SECTION B		30
3.	Answer any <u>five</u> of the following:-	
3-a.	Explain the term bandwidth, cache, Display resolution in web designing.[CO1]	6
3-b.	Explain the concept of effective web design.[CO1]	6
3	Differentiate between inline and block element.[CO2]	6
3	How can you integrate CSS on a web page?[CO2]	6
3.e.	How do JavaScript primitive/object types passed in functions?[CO3]	6
3.f.	Differentiate between GET and POST method.[CO4]	6
3.g.	Which statement is used in a select query for partial matching?[CO5]	6
SECTION C		50
4.	Answer any <u>one</u> of the following:-	
4-a.	Explain HTTP protocol also discuss about web browser and web server.[CO1]	10
4-b.	What is navigation in a website? Discuss the characteristics of effective navigation?[CO1]	10
5.	Answer any <u>one</u> of the following:-	
5-a.	Explain universal selector with suitable example.[CO2]	10
5-b.	Differentiate between logical tags and physical tags with suitable example.[CO2]	10
6.	Answer any <u>one</u> of the following:-	

6-a.	List the comparison operators supported by Java script. [CO3]	10
6-b.	How to Handle Events with DHTML?[CO3]	10
7. Answer any <u>one</u> of the following:-		
7-a.	Explain the difference b/w static and dynamic websites.[CO4]	10
7-b.	What are the main characteristics of a PHP variable?[CO4]	10
8. Answer any <u>one</u> of the following:-		
8-a.	What is a transaction? Describe MySQL transaction properties.[CO5]	10
8-b.	Write a code in PHP to find a leap year.[CO5]	10