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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Affiliated to AKTU, Lucknow)
B.Tech.
SEM: V - THEORY EXAMINATION (2023 - 2024)
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. A software that searches through a database of web pages for particular information is known as : (CO1) 1

(a) Internet

(b) Search Engine

(c) Website

(d) Protocol

1-b. URL stands for (CO1) 1

(a) Uniform Resource Location

(b) Universal Resource Locator

(c) Uniform Resource Locator

(d) Uniform Resource Link

1-c. HTML stands for -[CO2] 1

(a) HighText Machine Language

(b) HyperText and links Markup Language

(c) HyperText Markup Language

(d) None of these

1-d. The correct sequence of HTML tags for starting a webpage is (CO2) 1

(a) Head, Title, HTML, body

(b) HTML, Body, Title, Head

(c) HTML, Title,head, Body

(d) HTML, Head, Title, Body

1-e. Javascript is an _____ language?[CO3]　　　　1

(a) object oriented

(b) object based

(c) Procedural

(d) None of these

1-f. Which of the following keywords is used to define a variable in Javascript? (CO3)　　1

(a) var

(b) let

(c) both (a) & (b)

(d) None of these

1-g. The correct sequence of HTML tags for starting a webpage is (CO4)　　1

(a) Head, Title, HTML, body

(b) HTML, Body, Title, Head

(c) HTML, Head, Body,Title

(d) HTML, Head, Title, Body

1-h. Construct an unordered list (a list with the list items in bullets) in HTML. (CO4)　　1

(a) OL

(b) UL

(c) DL

(d) DT

1-i. Which of the following is used to display the output in PHP? [CO5]　　1

(a) echo

(b) write

(c) print

(d) Both (a) and (c)

1-j. Which of the following is the correct way to create a function in PHP? (CO5)　　1

(a) Create my function()

(b) New_function my function

(c) Function my function

(d) none of above

2. Attempt all parts:-

2.a. Define World Wide Web. (CO1)　　2

2.b. Differentiate between HTML elements and tags? (CO2)　　2

2.c. What are JavaScript Data Types? (CO3)　　2

2.d. Explain the layout of HTML? (CO4)　　2

2.e.	What are the common uses of PHP? (CO5)	2

SECTION-B   30

3. Answer any <u>five</u> of the following:-

3-a.	Briefly explain the types of work a web designer performs.? (CO1)	6
3-b.	Discuss the Planning phase of a website with suitable example. (CO1)	6
3-c.	Explain well formed and valid XML with an example. (CO2)	6
3-d.	Create HTML form for Registration of a student in college?[CO2]	6
3.e.	What is for-in loop in Javascript? (CO3)	6
3.f.	Define XML.write the features and advantages of XML. (CO4)	6
3.g.	What is $_SESSION in PHP? (CO5)	6

SECTION-C   50

4. Answer any <u>one</u> of the following:-

4-a.	Write a detailed note on responsive design of websites with suitable examples. (CO1)	10
4-b.	Explain Shared hosting services? What are Its purposes? Write suitable examples. (CO1)	10

5. Answer any <u>one</u> of the following:-

5-a.	Elaborate diiferent types of Web Hosting packages ? (CO2)	10
5-b.	Discuss Domain names. What are the types of domain names. Explain any two domain names in detail. (CO2)	10

6. Answer any <u>one</u> of the following:-

6-a.	List some of the advantages and disadvantages of JavaScript. (CO3)	10
6-b.	What are the pop-up boxes available in JavaScript? Explain with example. (CO3)	10

7. Answer any <u>one</u> of the following:-

7-a.	What is XML .write an XML file to store information of books.Design its DTD. (CO4)	10
7-b.	Write HTML code develop a web page having two frames having that divide the page into two equal rows and divides the first row into two columns. (CO4)	10

8. Answer any <u>one</u> of the following:-

8-a.	How can we create a database using PHP and MySQL? (CO5)	10
8-b.	Explain in detail about session control in PHP? (CO5)	10