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Subject Code:- ACSE0516

Roll. No:

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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

B.Tech

SEM: V - CARRY OVER THEORY EXAMINATION - APRIL 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. Who invented the World Wide Web?(CO1)

1

(a) Tim Berners Lee

(b) Tim Berneers

(c) Lee Tim

(d) www

1-b. Good characteristics of a web site are (CO1)

1

(a) Responsive

(b) Fast Loading

(c) Light

(d) All of the above

1-c. The types of unordered or bulleted list in HTML.(CO2)

1

(a) disc, square, triangle

(b) polygon, triangle, circle

(c) disc, circle, square

- (d) All of the above
- 1-d. When to use a SAX Parser?[CO2] 1
- (a) You can process the XML document in a linear fashion from the top down.
 - (b) You are processing a very large XML document whose DOM tree would consume too much memory.
 - (c) The problem to be solved involves only part of the XML document
 - (d) All of the above.
- 1-e. The following CSS property is used to make the text bold?(CO3) 1
- (a) text-decoration: bold
 - (b) font-weight: bold
 - (c) font-style: bold
 - (d) text-align: bold
- 1-f. Bootstrap does not use _____ [CO3] 1
- (a) HTML
 - (b) jQuery
 - (c) PHP
 - (d) CSS
- 1-g. Choose the following is not JavaScript Data Types.(CO4) 1
- (a) Undefined
 - (b) Number
 - (c) Boolean
 - (d) Float
- 1-h. The statement `a===b` refers to _____.[CO4] 1
- (a) Both a and b are equal in value, type and reference address
 - (b) Both a and b are equal in value
 - (c) Both a and b are equal in value and type
 - (d) There is no such statement
- 1-i. Choose the following PHP function is used to generate unique id.(CO5) 1
- (a) `id()`
 - (b) `mdid()`
 - (c) `uniqueid()`
 - (d) None of the above
- 1-j. Objects are defined as instances of user defined classes that can hold 1

_____?(CO5)

- (a) values
- (b) functions
- (c) both values and functions
- (d) None of the above

2. Attempt all parts:-

- | | | |
|------|---|---|
| 2.a. | Discuss the term hypertext with examples. [CO1] | 2 |
| 2.b. | Explain anchor tag and table tag in HTML?(CO2) | 2 |
| 2.c. | Discuss the use of CSS. Describe the advantages and disadvantages of using CSS in XHTML.(CO3) | 2 |
| 2.d. | Explain Self invoking function in java script with syntax.(CO4) | 2 |
| 2.e. | Explain the rules for naming a PHP variable. [CO5] | 2 |

SECTION B

30

3. Answer any five of the following:-

- | | | |
|------|--|---|
| 3-a. | Differentiate between Statics & Dynamic web pages with examples. [CO1] | 6 |
| 3-b. | Discuss the different types of web hosting packages with examples & prons/cons.(CO1) | 6 |
| 3-c. | Explain how XML is useful in defining data for web applications.(CO2) | 6 |
| 3-d. | Create HTML form for Registration of a student in college?[CO2] | 6 |
| 3.e. | Differentiate between Inline, Internal and External CSS.[CO3] | 6 |
| 3.f. | Explain various operators and data types available in java script with examples.(CO4) | 6 |
| 3.g. | Design a PHP script for uploading a file to the server and display the uploaded files details. (CO5) | 6 |

SECTION C

50

4. Answer any one of the following:-

- | | | |
|------|---|----|
| 4-a. | Discuss the term Web Hosting & its essential characteristics.(CO1) | 10 |
| 4-b. | Discuss the basic principals involved in developing a website.(CO1) | 10 |

5. Answer any one of the following:-

- | | | |
|------|--|----|
| 5-a. | Define DTD . Also explain the differences with xml schema. [CO2] | 10 |
| 5-b. | Explain how basic and nested tables are created using HTML.(CO2) | 10 |

6. Answer any one of the following:-

- 6-a. Use bootstrap to create an equal width column grid on all devices and screen widths.(CO3) 10
- 6-b. Explain rendering in detail. Demonstrate the difference in the sizing of a paragraph with and without height and width set.(CO3) 10

7. Answer any one of the following:-

- 7-a. Explain javascript Validation with the help of suitable example. [CO4] 10
- 7-b. How to create date object in JavaScript ? Explain any four methods of JavaScript date object.(CO4) 10

8. Answer any one of the following:-

- 8-a. Explain in detail about session control in PHP?[CO5] 10
- 8-b. How can create cookies with php and also write syntax of it? [CO5] 10