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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

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