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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. Protocol is used for connecting clients with server (CO1) 1
- (a) FTP
 - (b) WWW
 - (c) IP
 - (d) HTTP
- 1-b. The following is required to load a web page on computer (CO1) 1
- (a) Web
 - (b) Web Browser
 - (c) Compiler
 - (d) Interpreter
- 1-c. In HTML5, which of the following tag is used to initialize the document type? 1
- (CO2)
- (a) <body>
 - (b) <\Doctype html>

- (c) <html>
- (d) <!doctype>
- 1-d. 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-e. Inline styles are written within the ____ attribute. (CO3) 1
- (a) style
 - (b) css
 - (c) stylesheet
 - (d) Both A. and B.
- 1-f. CSS property is used to specify the indentation of the first line of a text (CO3) 1
- (a) text-align
 - (b) padding-left
 - (c) margin-left
 - (d) text-indent
- 1-g. Select the number of types of Pop up boxes available in JavaScript? (CO4) 1
- (a) alert
 - (b) prompt
 - (c) confirm
 - (d) All of the above.
- 1-h. Inside which HTML element do we put the JavaScript? (CO4) 1
- (a) head
 - (b) script
 - (c) meta
 - (d) style
- 1-i. choose the incorrect variable name in php? (CO5) 1
- (a) \$_AGE
 - (b) \$18AGE
 - (c) \$AGE18
 - (d) .\$_AGE18
- 1-j. Which of the following PHP function is used to generate unique id? (CO5) 1

- (a) id()
- (b) mdid()
- (c) uniqueid()
- (d) None of the above

2. Attempt all parts:-

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|------|--|---|
| 2.a. | Explain three-Tier web architecture. (CO1) | 2 |
| 2.b. | Discuss those tags which can be used to separate a section of texts? (CO2) | 2 |
| 2.c. | Discuss margin property ? (CO3) | 2 |
| 2.d. | Explain Self invoking function with Syntax. (CO4) | 2 |
| 2.e. | How to execute a PHP script from the command line? (CO5) | 2 |

SECTION B

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3. Answer any five of the following:-

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|------|---|---|
| 3-a. | Define the role of Search Engines in web technology. (CO1) | 6 |
| 3-b. | Draw the neat diagram of Client Server model & explain the communication steps. (CO1) | 6 |
| 3-c. | Explain any five tags of HTML with example? (CO2) | 6 |
| 3-d. | Explain the frames and table tags of HTML with suitable example. (CO2) | 6 |
| 3.e. | Differentiate between Inline, Internal and External CSS (CO3) | 6 |
| 3.f. | Describe global variables. How are these variable declared in javascript. Explain with example. [CO4] (CO4) | 6 |
| 3.g. | Explain about PHP Default Argument Values Function ? (CO5) | 6 |

SECTION C

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4. Answer any one of the following:-

- | | | |
|------|--|----|
| 4-a. | Write five major differences between Website & Webportal. (CO1) | 10 |
| 4-b. | Discuss the term Web Hosting & its essential characteristics ? (CO1) | 10 |

5. Answer any one of the following:-

- | | | |
|------|--|----|
| 5-a. | Create XML document which contains 10 users information. Write a program, which takes user Id as an input and returns user details by taking user information from the XML document. (CO2) | 10 |
| 5-b. | Design DOM for a library management with proper diagram. (CO2) | 10 |

6. Answer any one of the following:-

- | | | |
|------|---|----|
| 6-a. | Design a web page which shows all the properties of margin. (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 boolean operators in JavaScript with example. (CO4) 10
- 7-b. Explain Function constructor in javascript with example. (CO4) 10

8. Answer any one of the following:-

- 8-a. Describe conditional operators in detail ? When these operators used in the PHP? (CO5) 10
- 8-b. Explain the session functionality with suitable example? (CO5) 10

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