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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

MCA

SEM: III - THEORY EXAMINATION (2021 - 2022)

Subject: Web Technology

Time: 03:00 Hours

Max. Marks: 100

General Instructions:

1. All questions are compulsory. It comprises of three Sections A, B and C.
 - Section A - Question No- 1 is objective type question carrying 1 mark each & Question No- 2 is very short type questions carrying 2 marks each.
 - Section B - Question No- 3 is Long answer type - I questions carrying 6 marks each.
 - Section C - Question No- 4 to 8 are Long answer type - II questions carrying 10 marks each.
 - 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. | GIF is the abbreviation for ____ (CO1) | 1 |
| | <ol style="list-style-type: none"> 1. Graphics Interchange Format 2. Graphics Instruction Format 3. Graphics Item Format 4. Graphics Information Format | |
| 1-b. | Which program is used by web clients to view the web pages? (CO1) | 1 |
| | <ol style="list-style-type: none"> 1. Web browser 2. Protocol 3. Web server 4. Search Engine | |
| 1-c. | The tags in HTML are - (CO2) | 1 |
| | <ol style="list-style-type: none"> 1. case-sensitive 2. in upper case 3. not case sensitive 4. in lowercase | |
| 1-d. | The property in CSS used to change the background color of an element is - (CO2) | 1 |
| | <ol style="list-style-type: none"> 1. bgcolor 2. color 3. background-color 4. All of the above | |
| 1-e. | JavaScript Code can be called by using _____ (CO3) | 1 |
| | <ol style="list-style-type: none"> 1. RMI 2. Triggering Event 3. Preprocessor 4. Function/Method | |
| 1-f. | What does javascript use instead of == and != to include type checking? (CO3) | 1 |

1. It uses bitwise checking
 2. It uses === and !== instead
 3. It uses equals() and notequals() instead
 4. It uses equalto()
- 1-g. Which of the following function is used to set cookie in PHP? (CO4) 1
1. createcookie()
 2. makecookie()
 3. setcookie()
 4. None of the above
- 1-h. Which of the following variable name is invalid in PHP? (CO4) 1
1. \$newVar
 2. \$new_Var
 3. \$new-var
 4. All of the above
- 1-i. Which one of the following lines need to be uncommented or added in the php.ini file so as to enable mysqli extension? (CO5) 1
1. extension=php_mysqli.dll
 2. extension=mysqli.dll
 3. extension=php_mysqli.dl
 4. extension=mysqli.dl11
- 1-j. The maximum length of the varchar columns in MySQL is _____ (CO5) 1
1. Upto 65, 535 bytes
 2. Upto 256 bytes
 3. Upto 65, 567 bytes
 4. None of the mentioned

2. Attempt all parts:-

- 2-a. Why should a graphic containing several words should be saved in GIF instead of JPG? (CO1) 2
- 2-b. How can we create a hyperlink in HTML? (CO2) 2
- 2-c. What are global variables in JavaScript? How are these variable declared? (CO3) 2
- 2-d. What are different datatypes used in PHP? (CO4) 2
- 2-e. How will you locate a string within a string in PHP? (CO5) 2

SECTION B

30

3. Answer any five of the following:-

- 3-a. As web designer differentiate HTML tags and elements? (CO1) 6
- 3-b. What is the difference between web design and web development? (CO1) 6
- 3-c. What are the differences between relative and absolute in CSS? (CO2) 6
- 3-d. What is frameset in HTML? Explain with Example. (CO2) 6
- 3-e. What is Callback in JavaScript? (CO3) 6
- 3-f. What are the rules for naming a PHP variable? (CO4) 6
- 3-g. What is function overriding in PHP? (CO5) 6

SECTION C

50

4. Answer any one of the following:-

- 4-a. Describe the HTTP request and response model of communication over the web. (CO1) 10

4-b.	What are different network topologies? Explain. (CO1)	10
5.	Answer any <u>one</u> of the following:-	
5-a.	What is the difference between class selectors and id selectors? (CO2)	10
5-b.	What is the difference between inline, embedded and external style sheets? (CO2)	10
6.	Answer any <u>one</u> of the following:-	
6-a.	Explain passed by value and passed by reference in JavaScript. (CO3)	10
6-b.	How to calculate the Fibonacci series in JavaScript? (CO3)	10
7.	Answer any <u>one</u> of the following:-	
7-a.	How to redirect a page in PHP? Explain with Example. (CO4)	10
7-b.	Differences between GET and POST methods? (CO4)	10
8.	Answer any <u>one</u> of the following:-	
8-a.	How can you import tables from a SQL file into a database by using the MySQL client? (CO5)	10
8-b.	What is a join? Explain the different types of MySQL joins. (CO5)	10