

Printed Page:- 03

Subject Code:- ACSE0505

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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 dynamic web pages have higher degree of CO1 1
- (a) Development efforts
 - (b) Size of Web product
 - (c) Complexity
 - (d) All the above
- 1-b. To display the customize and updated web content we use CO1 1
- (a) Dynamic Page
 - (b) Flexible Page
 - (c) Updated Page
 - (d) Latest Pages
- 1-c. The "home page" of a web site is... CO2 1
- (a) The largest page
 - (b) The last page
 - (c) The first page
 - (d) The most colorful page
- 1-d. The following is used to read an HTML page and render it? CO2 1
- (a) Web server
 - (b) Web network
 - (c) Web browser

- (d) Web matrix
- 1-e. The property is used to change the background color? CO3 1
- (a) background-color:
 - (b) bg-color:
 - (c) bground:
 - (d) b-color:
- 1-f. 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-g. Which JavaScript operator is used to determine the type of a variable? CO4 1
- (a) typeof
 - (b) Type
 - (c) sizeof
 - (d) type(Of)
- 1-h. JavaScript arrays are written with _____. CO4 1
- (a) curly brackets { }
 - (b) Parenthesis()
 - (c) square bracket[]
 - (d) quotes ""
- 1-i. As compared to associative arrays vector arrays are much CO5 1
- (a) Faster
 - (b) Slower
 - (c) Stable
 - (d) None of the above
- 1-j. Ord () function is used convert a _____.CO5 1
- (a) Integer type into a string
 - (b) Integer type into an array
 - (c) Float type into an array
 - (d) Array type into a string
2. Attempt all parts:-
- 2.a. Differentiate between the different types of websites? CO1 2
- 2.b. Define XML? Write the syntax rule of XML? CO2 2
- 2.c. Discuss the different types of positioning techniques in CSS? CO3 2
- 2.d. Explain function constructor in JavaScript? CO4 2
- 2.e. Name some of the constants in PHP and their purpose.CO5 2

SECTION-B

30

3. Answer any five of the following:-

- 3-a. How Web Browser plays a crucial role in web technology? CO1 6
- 3-b. Differentiate between Web portals & websites with example.CO1 6
- 3-c. Explain validation rules in xml with example.CO2 6
- 3-d. Explain XML document object model with help of suitable DOM structure with example.CO2 6
- 3.e. Explain CSS Background with all its attributes.CO3 6
- 3.f. Explain how object properties are assigned in javascript?CO4 6
- 3.g. Write the steps for file uploading and downloading in php?CO5 6

SECTION-C

50

4. Answer any one of the following:-

- 4-a. Explain the difference between manual testing and automated testing in the context of web applications.CO1 10
- 4-b. Explain web hosting ? Discuss about various web hosting packages available.CO1 10

5. Answer any one of the following:-

- 5-a. Design a website for Blood bank management system using HTML.CO2 10
- 5-b. Design a web page using following styles.(a)H1 tag has to green ,and underlined ,(b) p has to be enclosed with border with groove text font italic,font family Helvetica,font size 15px and font color red, (c) unordered list text blue, text bold . Add these features by using an external css file and then refers this file in HTML document.CO2 10

6. Answer any one of the following:-

- 6-a. Discuss in detail about CSS selectors? Explain how we can insert inline, internal and external CSS in an html document with example. CO3 10
- 6-b. Create a web page which displays the syllabus of any subject as a bulleted list. Titles are displayed as contents of the main list and the topics of individual units are displayed as sub lists in the main list. (Hint: Use nested lists). Instead of bullets for unordered list, display arrows using CSS.CO3 10

7. Answer any one of the following:-

- 7-a. Create a JavaScript code block, which validate a username and password against hard coded values.CO4 10
- 7-b. Discuss different types of Error Name values in JavaScript? CO4 10

8. Answer any one of the following:-

- 8-a. Explain in detail about PHP supported data types? CO5 10
- 8-b. Differentiate between the session and cookies. Create a program in PHP to create the cookie, retrieve the cookie value, and delete the cookie. CO5 10