Printed Page:-   **Subject Code:- ACSE0516**

Roll. No:

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.   E-mail service uses a protocol known as[CO1]   1

   (a) POP3

   (b) IMAP

   (c) SMTP

   (d) All the Above

1-b.   Web browser is a kind of[CO1]   1

   (a) Application Software

   (b) HTML Interpreter

   (c) Web Client

   (d) All of the above

1-c.   HTML stands for -[CO2]   1

   (a) HighText Machine Language

(b) HyperText and links Markup Language

(c) HyperText Markup Language

(d) None of these

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. Javascript is an _____ language?[CO3]   1

(a) object oriented

(b) object based

(c) Procedural

(d) None of these

1-f. Which of the following is not javascript data types?[CO3]   1

(a) Null type

(b) Undefined type

(c) Number type

(d) All of the mentioned

1-g. Apply background color in HTML. [CO4]   1

(a) marquee bg color: "red"B

(b) marquee bg-color = "red"

(c) marquee bgcolor = "red"

(d) marquee color = "red"

1-h. Demonnstrate the comments in HTML. [CO4]   1

(a) /....... ;

(b) !......

(c) /....../

(d) ....!

1-i. Which of the following is used to display the output in PHP? [CO5]   1

(a) echo

(b) write

(c) print

(d) Both (a) and (c)

1-j. Which of the following is used for concatenation in PHP? [CO5] 1

        (a) + (plus)

        (b) * (Asterisk)

        (c) . (dot)

        (d) append()

2. Attempt all parts:-

2.a. Discuss the term Localhost.[CO1] 2

2.b. Differentiate between XMLand HTML?[CO2] 2

2.c. What is JavaScript?[CO3] 2

2.d. Give brief introduction about tags in HTML?[CO4] 2

2.e. Why PhP is used in Web Development?[CO5] 2

SECTION B

30

3. Answer any <u>five</u> of the following:-

3-a. Differentiate between Statics & Dynamic web pages with examples.[CO1] 6

3-b. Draw and explain Client-Server architechture. What is Transparency.[CO1] 6

3-c. Create HTML form for Registration of a student in college?[CO2] 6

3-d. Design a login page of any website using HTML & CSS ?[CO2] 6

3-e. JavaScript Program to Calculate the Area of a Triangle[CO3] 6

3.f. Explain validation rules in xml with example.[CO4] 6

3.g. What is the array in PHP?Write on example of it[CO5] 6

SECTION C

50

4. Answer any <u>one</u> of the following:-

4-a. Differentiate between Web server & Application server.[CO1] 10

4-b. Explain some built-in methods in JavaScript?[CO1] 10

5. Answer any <u>one</u> of the following:-

5-a. Discuss the charecteristics of front end scripting languages.[CO2] 10

5-b. Write and discuss the steps to use Apcahe as a web server using XAMPP.[CO2] 10

6. Answer any <u>one</u> of the following:-

6-a. Write a Program to Find the Factors of a Number using JavaScript. 10
        [CO3]

6-b. Write a Javascript Program to Check if a Number is Odd or Even[CO3] 10

7. Answer any <u>one</u> of the following:-

7-a. Create a XML document of 10 student of final CSE .Add their roll no, marks 10
obtained in 5 subjects,total marks and percentage.Save this XML document on
the server .Write a program that accepts student roll no as input and returns
the student marks, total percentage by taking student information for XML
document.[CO4]

7-b. Design registration form and login form that are linked to each other, If 10
account exists than login, otherwise register or signup for login in registration
form.[CO4]

8. Answer any <u>one</u> of the following:-

8-a. Wrtite a program using +=, -=, /= operators in PHP?[CO5] 10

8-b. Write a program of factorial using while loop in PHP?[CO5] 10