END – SEMESTER EXAMINATION
UG

Session: July-December, 2022   Semester: V   Time: 3Hrs.   Full Marks: 100

Course Code: **UCSE514**   Course Title: **Web and Internet Technology**

Answer 1 both [A] and [B] is compulsory. Attempt any 3 from the rest!

1   [A]. Short answer type or code snippet only   2 x 10 = 20

- i.   Write an HTML code snippet to add meta description.
- ii.   How do you include meta keywords having CIT, Kokrajhar, Admission as keywords in an HTML File?
- iii. Using CSS define the font color as red and background color as blue for a particular HTML class "content".
- iv.   How do you make a CSS rule to work for a particular type of devices?
- v.   How do you make a particular webpage a responsive webpage?
- vi.   How do you add a favicon Icon in an HTML?
- vii. In HTML insert an image with a link to google.com
- viii. What is the requirement to run a PHP file?
- ix.   Declare an array with five string elements in PHP.
- x.   Declare a constant object with the following information name: Janie Doe, age: 20, gender: Female in JavaScript.

[B]. Fill in the blanks or one liner answer questions   2 x 10 = 20

- i.   <form ____ ="process.php" ___ ="POST">
- ii.   <script ___ ="scripts.js" type="___"></script>
- iii. For the following JavaScript object code Snippet how will you print full name of the person.
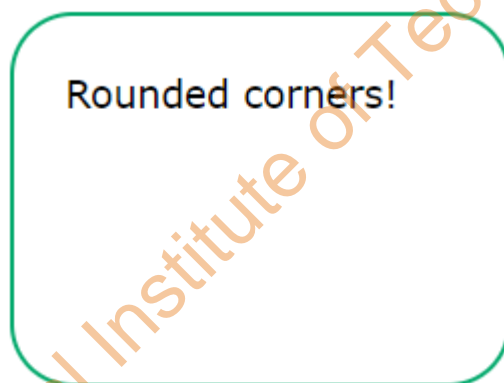
```
const person = {
  firstName: "Johnny",
  lastName: "Dee",
  id: 12345,
  fullName: function() {
    return this.firstName + " " + this.lastName;
  }
};
```

- iv.   You need to accept form parameters "name" and "password" passed using GET? Which global variable in PHP you will use to accept form data and how?
- v.   ____ and ____ are popular frameworks of PHP.

vi. ___ and ___ are popular framework library of JavaScript.

vii. ___ and ___ are popular web servers.

viii. PHP is ____ language whereas JavaScript is _____ language.

ix. <img ___="mypicture.jpg" ___="This is an image it will be displayed when images are not loaded" >

x. To run PHP you must have ___ and to run JavaScript you must have a ___.

Descriptive/Code Snippet/Full Code

2 a. What are Block Level and Inline Level HTML Tags? 4 + 10 + 6 = 20

b. Write Five Example each along with example uses of block level and inline level tags. Mention only specific tag uses, no need to write whole HTML page.

c. Write different ways to include CSS and JavaScript in an HTML Page?

3 a. Write five features of JavaScript? 5 + 5 + 10 = 20

b. What are the differences among declaration of variable using var, let and const?

a. Using CSS create the following rounded rectangle having border with 2 px solid line with border corner 25 px and contents 25px from border as shown below. Color of the border is green.

Rounded corners!

4 a. What is a PHP and MySQL? 4 + 8 + 8 = 20

b. How do you connect a MySQL database using PHP? Write code snippet to connect to a database hosted on localhost machine.

a. Write a PHP Program using function that can swap values of three variable using Call by Value.

5 b. Mention any five different Database system available for a web developer to use. Mention with a benefit for each one of them. 5 + 10 + 5 = 10

c. Write a SQL command to create a database with name 'student' and a database table having name `admitted_student` that the following information

i. Id data type is integer with auto increment

ii. Name with data type string of 100 char

     iii.   Roll Number integer

     iv.   Branch with data type string of 50 character

     v.   Current Semester having data type string with 10 chars

a. Which one of the PHP Database SQL connector should not be use as a database connector and why?

6   a. Implement a Stack or Queue Data Structure using JavaScript/PHP?   10 + 10 = 20

    b. You are given a simple HTML Code as below

```html
<!DOCTYPE html>
<html>
<body>

<h2>Simple HTML Page</h2>
<p id="content"></p>

</body>
</html>
```

You have been given with the following data

```
'{"name":"John Doe", "age":23, "cars":["Ford", "BMW",
"Fiat"]}'
```

Write a JavaScript program that change the content of the paragraph with id='content' to have the Name, Age and a Car BMW.

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