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Live Training Sessions

Date :	Sep-29-2024	Board / STD	CBSE / 8
Subject :	Computer Science	Topic :	September Test Cloud Technologies/Computing, HTML, CSS, JavaScript, Basics of Python

Total Marks: 20
Time: 45 minutes

Section A: Cloud Technologies/Computing (5 Marks)

Q1. Define Cloud Computing and explain the difference between **Public Cloud** and **Private Cloud**.

(2 Marks)

Q2. What is **SaaS (Software as a Service)** in cloud computing? Give one example of a SaaS application and explain how it benefits users.

(3 Marks)

Section B: HTML, CSS, and JavaScript (10 Marks)

Q3. Write an HTML code to create a basic webpage that includes:

- A heading with the text "Welcome to My Website"
 - A paragraph describing the webpage
- (3 Marks)

Q4. Write the CSS code to:

- Center-align the text of an element
 - Set the font size of all paragraph elements to 16px
- (2 Marks)

Q5. What is the purpose of the `` tag in HTML? How is it different from the `<div>` tag?

(2 Marks)

Q6. Write a JavaScript code to change the text of an HTML element with the ID "heading" to "Hello, JavaScript!" when a button is clicked.

(3 Marks)

Section C: Basics of Python (5 Marks)

Q7. Explain what a **conditional statement** is in Python. Write a Python code that checks if a number is even or odd.

(3 Marks)

Q8. Write a Python function named `greet_user` that takes a name as an argument and prints "Hello, [name]!" where `[name]` is the input provided by the user.

(2 Marks)

END