

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. (CSE) (Sem.-5)**  
**WEB TECHNOLOGIES**

Subject Code : BTCS 520-18

M.Code : 78326

Date of Examination : 28-06-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**1. Write briefly :**

- a) How would you define the role of Java Script? Write in brief about its versions.
- b) Write down the full form of PHP? List all the data types supported by PHP?
- c) What is the purpose of XMLHttpRequest?
- d) Why proxy servers are used?
- e) Write HTML code for creating a hyperlink.
- f) Comment on the Case-sensitivity of CSS.
- g) Write the real web applications of AJAX currently running in the market?
- h) Why one should prefer JSON over XML? Justify.
- i) Differentiate between == and ===.
- j) How can you use CSS to control image repetition?

## SECTION-B

2. **Write CSS code for the following :**
  - a) Set the background color of a page.
  - b) Position the background image on top left.
  - c) Set and apply four borders around text.
3. Write down 4 HTML audio/video methods and explain them using code.
4. Explain various string functions of PHP with example.
5. How will you generate a dialogbox using JavaScript? Give example.
6. Write down the advantages and disadvantages of AJAX.

## SECTION-C

7. **Answer the following :**
  - a) Write code to embed PHP code in an HTML page?
  - b) List the main types of errors in PHP and explain their differences.
8. Write code of functionality of JSON with AJAX? How it improves the performance of a website. Explain with programming illustration.
9. **Answer the following :**
  - a) How CSS3 is better than previous version? What are its features?
  - b) How to include CSS in the webpage? How would you set margins, padding, positioning, and text formatting using CSS? Write code to justify your answer.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**