

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**M.Sc. (Computer Science) (Sem.-2)**

**WEB TECHNOLOGIES**

**Subject Code : MSC-205**

**M.Code : 71449**

**Date of Examination : 14-07-22**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTIONS-A, B, C & D** contains **TWO** questions each carrying **TEN** marks each and students has to attempt any **ONE** question from each **SECTION**.
2. **SECTION-E** is **COMPULSORY** consisting of **TEN** questions carrying **TWENTY** marks in all.

**SECTION-A**

- 1) Create an HTML document to describe an unordered list of at least four states. Each element of the list must have a nested list of at least three cities in the state.
- 2) Create and test an HTML document that contains at least three lines of text. First line of the text must be green, second line must be blue and every noun must be yellow.

**SECTION-B**

- 3) Write a VBScript to print even number between 0 to 100.
- 4) Write a VBScript for the following :
  - a) To check a string is palindrome or not.
  - b) To create a dictionary also save name and telephone number of five customers.

**SECTION-C**

- 5) Write a JavaScript function to remove all zero values in the given array.
- 6) Write an HTML document that collects the following information from the user: user name (length should be greater than 8 characters), age (restricted to be greater than 17). You must have event handlers for the form element that collects this information that check the input data for correctness using Javascript. Message in alert windows must be produced when errors are detected.

## SECTION-D

- 7) What is XML? What is an XML namespace? Explain in detail.
- 8) Design an XML document to store information about patients in a hospital, Information about patients must include name, social security number, age, room number, known medical problems, and known drug allergies etc.

## SECTION-E

### 9) Answer the following :

- a) What tag is used to define a link?
- b) Describe <frameset> tag.
- c) What is the format of an inline style sheet?
- d) Name the rules to declare a variable in VBscript.
- e) What are the data types in VBScript?
- f) Describe the two ways an Array object can be created in JavaScript.
- g) What is an event handler?
- h) What is Cookie?
- i) List the features of XML.
- j) What is Document type definition?

**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.**