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Total No. of Pages: 02

Total No. of Questions: 09

**M.Sc (IT) /PGDCA (Sem. – 2)**

**WEB TECHNOLOGIES**

**Subject Code: PGCA-1909**

**M Code: 77838**

**Date of Examination: 12-12-2022**

**Time: 3 Hrs.**

**Max. Marks: 70**

**INSTRUCTIONS TO CANDIDATES:**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION - B & C** have **FOUR** questions each, carrying **TEN** marks each.
3. **Attempt any FIVE** questions from **SECTION B & C**, selecting atleast **TWO** questions from each of these **SECTIONS B & C**.

**SECTION-A**

1. Answer the following:

- a) Describe transmission control protocol.
- b) What is IP address?
- c) What is the significance of <title>tag in HTML? Explain.
- d) Explain the important tags to add graphics to HTML documents.
- e) Explain the importance of Align attribute.
- f) What is hyperlink?
- g) Create a checkbox in HTML form.
- h) Describe Math Object in Javascript.
- i) What is database connectivity? Explain.
- j) What do you mean by Cascading Style Sheet (CSS)?

**SECTION-B**

2. a) List and explain services offered by TCP/IP.
- b) Write short note on IP addresses.

3. Differentiate between unordered list and ordered list. Give one example to each.
4. Create, test, and validate an HTML document that defines a table with table columns for StudentName, age, CourseName, marks.
5. Explain with examples the various basic formatting tags for the following:
  - a) Text formatting
  - b) Text styles (Bold, Italic and underline)
  - c) Text effects (Centering etc.)
  - d) Spacing (Indenting text)

### SECTION C

6. Write an HML document to provide a registration form that collects StudentName, StudentID, age, marks, sex and address information.
7. How will you create links in web documents? How to create links to external documents? Explain in detail.
8.
  - a) What do you mean by client side scripting? How will you do client side validation using Javascript? Explain.
  - b) Write a javascript to compare two strings using string object.
9. Describe with examples the frame model of HTML document.

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