Enrollment No: _____   Exam Seat No: _____

C. U. SHAH UNIVERSITY
Winter Examination-2022

Subject Name: Web Technology

Subject Code: 4TE07WTE1   **Branch: B.Tech (CE)**

Semester: 7   **Date: 25/11/2022**   **Time: 11:00 To 02:00**   **Marks: 70**

Instructions:
1. Use of Programmable calculator & any other electronic instrument is prohibited.
2. Instructions written on main answer book are strictly to be obeyed.
3. Draw neat diagrams and figures (if necessary) at right places.
4. Assume suitable data if needed.

Q-1   **Attempt the following questions**

a)	What is the use of client server architecture?	**(01)**
b)	What is the basic difference between WAMP, LAMP and XAMP?	**(01)**
c)	What are the features of CSS3?	**(01)**
d)	List out various type of style sheet.	**(01)**
e)	What is the difference basic between static and dynamic websites?	**(01)**
f)	What are the ways to define a constant in PHP?	**(01)**
g)	Define Super variable.	**(01)**
h)	What is $_SESSION in PHP?	**(01)**
i)	What is the 'class' attribute in HTML?	**(01)**
j)	How is Cell Padding different from Cell Spacing?	**(01)**
k)	List any three advantages of HTML5 over its previous versions.	**(01)**
l)	What type of audio files can be played using HTML5?	**(01)**
m)	What are the limitations of CSS?	**(01)**
n)	What is the difference between inline element, inline-block element?	**(01)**

Attempt any four questions from Q-2 to Q-8

Q-2   **Attempt all questions**

(a)	Explain the use of Geolocation API of HTML5 with example.	**(07)**
(b)	Give the differences of following: 1) Adaptive design and Responsive design 2) Normal CSS and CSS3	**(07)**

Q-3   **Attempt all questions**

(a)	How can we create a database using PHP and MySQL? Write a PHP program to insert and update student information if student id is valid else give appropriate message when it is not correct.	**(07)**
(b)	Explain Loop structure of PHP with example.	**(07)**

Q-4   **Attempt all questions**
- **(a)** What is an HTML form? Discuss the different form attributes and its methods and design a simple form for student registration. **(07)**
- **(b)** Discuss various types of arrays available in PHP with example. **(07)**

Q-5   **Attempt all questions** **(07)**
- **(a)** What is Web Server? Draw and explain architecture of web server. **(07)**
- **(b)** Discuss about cookie management with suitable example.

Q-6   **Attempt all questions**
- **(a)** Discuss about the applications of Rich media such as Canvas and SVG in web designing with suitable example. **(07)**
- **(b)** Differentiate between GET and POST with example. **(07)**

Q-7   **Attempt all questions**
- **(a)** Answer the following: **(07)**
  a) Write a program to show the use of web-worker in HTML5.
  b) Explain type casting in PHP with example
- **(b)** Explain Transformations and Transitions with example from the point of view of CSS3. **(07)**

Q-8   **Attempt all questions**
- **(a)** Answer the following: **(07)**
  a) What do you mean by cascading in CSS?
  b) Explain CSS position property
- **(b)** Write a simple program to upload and download file with PHP. **(07)**