

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER– I EXAMINATION – WINTER 2019****Subject Code: 3610002****Date: 20/12/2019****Subject Name: Fundamentals of Web****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write full forms of: (1) HTML, (2) DNS, (3) URL, (4) HTTP, (5) IP, (6) CSS and (7) DOM. **07**
(b) Explain TCP/IP protocol. **07**
- Q.2** (a) Explain structure of URL. Explain resolution of URL by DNS. **07**
(b) Explain structure of HTML page. **07**
- OR**
- (b) Explain different types of HTML lists. **07**
- Q.3** (a) Explain the process of creating a responsive page using CSS. **07**
(b) How can one write one's own Form Validation rules? Explain giving suitable examples. **07**
- OR**
- Q.3** (a) Explain the HTML4 input types. **07**
(b) Can slider be created without JavaScript? Explain the steps of creating number picker and slider. **07**
- Q.4** (a) With suitable example of each, explain any seven datatypes of JavaScript. **07**
(b) Explain in brief different methods of canvas transformation. **07**
- OR**
- Q.4** (a) What are JavaScript events? Explain any three in detail. **07**
(b) What is use of canvas? Where is point (0,0) located on the canvas? Explain the importance and process of laying a grid on the canvas. **07**
- Q.5** (a) Explain steps for creating video with subtitles. **07**
(b) Explain the steps to create beat mixer. **07**
- OR**
- Q.5** (a) Explain the new audio attributes of HTML5. List any two benefits of new audio element. **07**
(b) How can one create customized control for video? **07**
