

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA– SEMESTER –I EXAMINATION –SUMMER-2019**

**Subject Code:3610002****Date: 16-05-2019****Subject Name: Fundamentals of Web (FOW)****Time:02.30 pm to 5.00 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) How does client-server model work? **07**  
(b) How does new structural elements affect web page design? **07**
- Q.2** (a) How can one use Native Toggle Widget in web page designing? **07**  
(b) State and explain the difference between HTML 4 and HTML 5? **07**
- OR
- (b) How could one create responsive design with CSS3 media query? **07**
- Q.3** (a) Write code to create a sample HTML search, number picker and slider of your choice. **07**  
(b) How do we use Form Placeholder Text in HTML forms? **07**
- OR
- Q.3** (a) Write code to make a jump to a form element when the page loads? **07**  
(b) What are the basic HTML 5 web form validations used? Write pseudo code for it? **07**
- Q.4** (a) Write the steps to lay grid on canvas? Explain the output obtained. **07**  
(b) Write HTML code to draw polygons on a canvas? **07**
- OR
- Q.4** (a) How to perform canvas transformations? Write HTML code to perform any transformation on your choice. **07**  
(b) State & explain JavaScript design principles. **07**
- Q.5** (a) Write HTML code to embed JavaScript into a webpage and explain the code. **07**  
(b) State and explain different JavaScript events & how to use them in web page design? **07**
- OR
- Q.5** (a) Write code to perform JavaScript form validations & explain them. **07**  
(b) Write steps to embed a video & an audio file in web page. How can one create video with subtitles and captions? **07**

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