H Roll No. ....

TMC–305

M. C. A. (THIRD SEMESTER)
MID SEMESTER EXAMINATION, 2022
FULL STACK WEB DEVELOPMENT

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) What is the use of drag and drop features of HTML5 ? Create *two* images and drag the drop the images on the same web page.

10 Marks (CO1)

OR

(b) What is MathML in HTML5 ? Print the following equations using HTML5 code :

10 Marks (CO1)

(i) $(a + b)^2 = a^2 + b^2 + 2ab$

(ii) $a/b - c/d = e/f$

P. T. O.

2. (a) What is the use of SVG in HTML5 ? Create a cubic Bezier curve on the same path using SVG. Also specify the height and the width of the SVG to be 300 units.

10 Marks (CO1)

OR

(b) Differentiate between SVG and Canvas. Create a rectangle with a height = 100 units and width = 200 units. Also fill the four different colors inside rectangle using linear gradient.   10 Marks (CO1)

3. (a) What is the use of Bootstrap CSS ? What are the advantages of using bootstrap ?

10 Marks (CO2)

OR

(b) What do you mean by transform in CSS ? Explain all the methods of 2d and 3d transform in detail. 3d transform an element into 60 degrees and move 200px from the original position where the origin of the transformation is center-center.

10 Marks (CO2)

4. (a) What are media queries in CSS ? Create a responsive web page for paged media query without using bootstrap.

10 Marks (CO2)

OR

(b) What is CSS3 gradient ? Explain its types in detail with suitable example.

10 Marks (CO1)

5. (a) Explain in detail the HTML5 audio and video elements with all the attributes. How to load the audio and video loop in your web page ?   10 Marks (CO2)

OR

(b) What do you mean by responsive web page ? Create a responsive photo gallery using bootstrap.   10 Marks (CO2)