Reg. No. | | | | | | | | | | | |

BCACACN 402

Fourth Semester B.C.A. Degree Examination, June/July 2024
(NEP 2020) (2022 – 2023 Batch Onwards)
COMPUTER MULTIMEDIA AND ANIMATION (DSCC)

Time : 2 Hours Max. Marks : 60

***Note** : Answer **any six** questions from Part – **A** and **one full** question from **each Unit** of Part – **B**.*

PART – A (6×2=12)

1. a) What is the purpose of <dl> and <dt> elements ?
   b) List any two special operators of JavaScript with their purpose.
   c) Expand CSS. What is the use of CSS ?
   d) Write the syntax of animation property shorthand form.
   e) What is SVG ?
   f) What is SVG Viewbox attribute ? List the SVG elements with which Viewbox attribute can be used.
   g) Write the JavaScript code to create canvas drawing context.
   h) List the parameters of the canvas strokeRect() method with their purpose.

PART – B

Unit – I

2. a) Explain <li> tag with its attributes.
   b) Explain any four <input> tags with their element specific attributes.
   c) Explain how to use event handlers in JavaScript with example. **(4+4+4)**

3. a) What is <form> tag ? Write any of its three element specific attributes.
   b) Explain with attributes the <select> tag.
   c) Explain prompt() method with example. **(4+4+4)**

P.T.O.

Unit – II

4. a) Explain internal style sheets in HTML5.
   b) Explain the styling of text using CSS.
   c) Explain all the possible values for animation-fill-mode property. **(4+4+4)**

5. a) Explain the steps of creating an external style sheet.
   b) Explain different ways to set font-size property value.
   c) Explain the pseudo-classes used to style link. **(4+4+4)**

Unit – III

6. a) Mention the rules of SVG color specification.
   b) Explain SVG scale() function with parameters.
   c) Explain opacity with its usage in SVG. **(4+4+4)**

7. a) Explain SVG <text> element with all its attributes.
   b) Explain SVG translate() function with parameters.
   c) Explain Linear Gradient in SVG. **(4+4+4)**

Unit – IV

8. a) Explain beginPath(), closePath(), lineTo(), stroke() methods of canvas using code example.
   b) Explain setInterval(), setTimeout(), requestAnimationFrame() methods with their parameters. **(6+6)**

9. a) List and explain the steps to be followed to implement canvas animation with appropriate methods.
   b) Explain quadraticCurveTo() and bezierCurveTo() methods of canvas with proper code example. **(6+6)**