Module 5:- HTML5

Q-1 What are the new tags added in HTML5?

Ans- In html 5 there are introduced some new tags which are given below

1. <header>
2. <footer>
3. <nav>
4. <article>
5. <section>
6. <aside>
7. <main>

Q-2 How to embed audio and video in a webpage?

1. <audio> Element: Use the <audio> element to embed audio files. Provide the src attribute with the URL of your audio file. You can also specify multiple <source> elements within the <audio> element to provide alternative audio formats for compatibility with different browsers.
2. <video> **Element**: Use the <video> element to embed video files. Similar to the <audio> element, provide the src attribute with the URL of your video file. Again, you can specify multiple <source> elements to provide different video formats.
3. <!DOCTYPE html>
4. <html lang="en">
5. <head>
6. <meta charset="UTF-8">
7. <meta name="viewport" content="width=device-width, initial-scale=1.0">
8. <title>Audio and Video Embedding</title>
9. </head>
10. <body>
11. <audio controls>
12. <source src="audio\_file.mp3" type="audio/mp3">
13. Your browser does not support the audio element.
14. </audio>
15. <video controls width="600">
16. <source src="video\_file.mp4" type="video/mp4">
17. Your browser does not support the video element.
18. </video>
19. </body>

</html>

Q-3 Semantic element in HTML5?

1. <header>
2. <footer>
3. <nav>
4. <article>
5. <section>
6. <aside>
7. <main>
8. <figure>
9. This all are the semantic tags in html5

Q-4 Canvas and SVG tags

1. Both are the html tags but both the use cases are different as per the requirement
2. Since it's based on pixels, scaling graphics in a <canvas> can sometimes lead to loss of quality.
3. SVG is well-suited for static or simple animations, icons, logos, and scalable graphics. It's especially useful when you need to retain quality when scaling.