MODULE: 5 (Html5)

1] What are the new tags added in HTML5?

A]

* <section>-represents generic document or application section.
* <video>-defines a video file.
* <wbr>-define line break opportunity.
* <time>-defines date or time.

2] How to embed audio and video in a webpage?

A]

The HTML5 <audio> and <video> tags make it simple to add media to a website. You need to set src attribute to identify the media source and include a controls attribute so the user can play and pause the media.

3] Semantic element in HTML5?

A] A semantic element clearly describes its meaning to both the browser and the developer.

Eg: -

Examples of semantic elements:

<form>, <table>, and <article> - Clearly defines its content.

* In HTML there are some semantic elements that can be used to define different parts of a web page: -
* <footer>
* <header>
* <main>
* <aside>
* <article>
* <figure>

4] Canvas and SVG tags

A]

* SVG: -

SVG stands for Scalable Vector Graphics. It is used to define graphics for the web. It is a language for describing 2D graphic in xml. Supports for event handlers.

Eg: -

<!DOCTYPE html>

<html>

<body>

<svg width="300" height="200">

  <polygon points="100,10 40,198 190,78 10,78 160,198"

  style="fill:violet;stroke:purple;stroke-width:5;fill-rule:evenodd;" />

Sorry, your browser does not support inline SVG.

</svg>

</body>

</html>

* Canvas: -

The HTML <canvas> element is used to draw graphics on a web page, via JavaScript. The <canvas> element is only a container for graphics. You must use JavaScript to actually draw the graphics. Canvas has several methods for drawing paths, boxes, circles, text, and adding images.

Eg: -

A canvas is a rectangular area on an HTML page. By default, a canvas has no border and no content.

<!DOCTYPE html>

<html>

<body>

<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000000;">

Your browser does not support the HTML canvas tag.

</canvas>

</body>

</html>