**Module (HTML5) – 3**

* What are the new tags added in HTML5?

**Ans.** The new tags added are: -

Article, aside, audio, canvas, command, data list, embed, header, mark, nav, section, source, svg, time, video, etc.

* How to embed audio and video in a webpage?

**Ans.** Set src attribute to identify the media source and include a controls attribute so, the user can play and pause the media.

* Semantic element in HTML5?

**Ans.** Semantic HTML elements are those that clearly describe their meaning in a human- and machine-readable way. Elements such as <header>, <footer> and <article> are all considered semantic because they accurately describe the purpose of the element and the type of content that is inside them.

* Canvas and SVG tags

|  |  |
| --- | --- |
| SVG | CANVAS |
| Vector based (composed of shapes) | Raster based (composed of pixel) |
| Multiple graphical elements, which become the part of the pages DOM free. | Single element similar to <img> in behavior. Canvas diagram can be saved to PNG or JPG format. |
| Modified through script & CSS | Modified through script only |
| Good text rendering capabilities | Poor text rendering capabilities |
| Give better performances with smaller no of objects or larger surface both | Give better performance with larger no of object or small surface both. |
| Better scalability. Can be printed with high quality at any resolution. Pixelation does not occur. | Poor scalability. Not suitable for printing on higher resolution. Pixelation may occur. |