**Assignment-3**

**Module (HTML5)**

**1) What are the new tags added in HTML5?**

**Ans-**

* **Footer**
* **Header**
* **Canvas**
* **Audio**
* **Embed**
* **Svg**
* **Video**
* **Nav**

**2) How to embed audio and video in a webpage?**

**Ans- To embed video in HTML, we use the <video> tag. It contains one or more video sources at a time using <source> tag. It supports MP4, WebM, and Ogg in all modern browsers.**

**3) Semantic element in HTML5?**

**Ans-** A semantic element clearly describes its meaning to both the browser and the developer.

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>
* <mark>
* <nav>

**4) Canvas and SVG tags**

**Ans-**

|  |  |
| --- | --- |
| **Canvas** | **Svg** |
| **Raster based (composed of pixel)** | **Vector based (composed of shapes)** |
| **Canvas has poor scalability. Hence it is not suitable for printing on higher resolution.** | **SVG has better scalability. So it can be printed with high quality at any resolution.** |
| **Canvas gives better performance with smaller surface or larger number of objects.** | **SVG gives better performance with smaller number of objects or larger surface.** |
| **Canvas can be modified through script only.** | **SVG can be modified through script and CSS.** |
| **Single element similar to <img> in behavior. Canvas diagram can be saved to PNG or JPG format.** | **Multiple graphical elements, which become the part of the page’s DOM tree.** |