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

**Ans:**

<header>: Represents a group of introductory or navigational aids.

<nav>: Represents a section of the document intended for navigation.

<section>: Represents a generic document or application section

<footer>: Represents a footer for a section and can contain information about the author, copyright information, et cetera.

<article>: Represents an independent piece of content of a document, such as a blog entry or newspaper article

<audio>: Defines an audio file.

<video>: Defines a video file.

<time>: Represents a date and/or time.

<embed>: Defines external interactive content or plugin.

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

**Ans:** 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.

<video src = "foo.mp4" width = "300" height = "200" controls>

Your browser does not support the <video> element.

</video>

<audio src = "foo.wav" controls autoplay>

Your browser does not support the <audio> element.

</audio>

**3. Semantic element in HTML5?**

**Ans:** Many web sites contain HTML code like: <div id="nav"> <div class="header"> <div id="footer"> to indicate navigation, header, and footer.

In HTML there are some semantic elements that can be used to define different parts of a web page:

* Examples of  **semantic** elements: <main>, <form>, <table>, <header>, <nav>, <section>, <footer>, <aside>, <time> and <article> - Clearly defines its content.

**4. Canvas and SVG tags**

| SVG | HTML Canvas |
| --- | --- |
| SVG has better scalability. So it can be printed with high quality at any resolution | Canvas has poor scalability. Hence it is not suitable for printing on higher resolution |
| SVG gives better performance with smaller number of objects or larger surface. | Canvas gives better performance with smaller surface or larger number of objects. |
| SVG can be modified through script and CSS | Canvas can be modified through script only |
| SVG is vector based and composed of shapes. | Canvas is raster based and composed of pixel. |

**Ans:**