HTML5

Que.1 : What are the new tags added in HTML5?

Ans.   following tags (elements) have been introduced in HTML5 –

Tags (Elements)	Description
<article>	Represents an independent piece of content of a document, such as a blog entry or newspaper article
<aside >	Represents a piece of content that is only slightly related to the rest of the page.
<audio>	Defines an audio file.
<canvas>	This is used for rendering dynamic bitmap graphics on the fly, such as graphs or games.
<command>	Represents a command the user can invoke.
<datalist>	Together with the a new list attribute for input can be used to make comboboxes
<details>	Represents additional information or controls which the user can obtain on demand
<embed>	Defines external interactive content or plugin.
<figure>	Represents a piece of self-contained flow content, typically referenced as a single unit from the main flow of the document.
<footer>	Represents a footer for a section and can contain information about the author, copyright information, et cetera.
<header>	Represents a group of introductory or navigational aids.
<hgroup>	Represents the header of a section.
<keygen>	Represents control for key pair generation.
<mark>	Represents a run of text in one document marked or highlighted for reference purposes, due to its relevance in another context.

<meter>	Represents a measurement, such as disk usage.
<nav>	Represents a section of the document intended for navigation.
<output>	Represents some type of output, such as from a calculation done through scripting.
<progress>	Represents a completion of a task, such as downloading or when performing a series of expensive operations.
<ruby>	Together with <rt> and <rp> allow for marking up ruby annotations.
<section>	Represents a generic document or application section
<time>	Represents a date and/or time.
<video>	Defines a video file.
<wbr>	Represents a line break opportunity.

New <input> tag;

Type	Description
color	Color selector, which could be represented by a wheel or swatch picker
date	Selector for calendar date
datetime-local	Date and time display, with no setting or indication for time zones
datetime	Full date and time display, including a time zone.
email	Input type should be an email.
month	Selector for a month within a given year
number	A field containing a numeric value only
range	Numeric selector within a range of values, typically visualized as a slider

search	Term to supply to a search engine. For example, the search bar atop a browser.
tel	Input type should be telephone number.
time	Time indicator and selector, with no time zone information
url	Input type should be URL type.
week	Selector for a week within a given year

Que.2: How to embed audio and Video in a webpage?

Ans.   Embed Audio:

        <audio>

            <source src= "file_name" type= "audio_filename>

        </audio>

Embed Video:

        <Video>

            <source src= "file_name" type= "video_filename>

        <Video>

Que.3: 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.

Que.4 : Canvas and SVG tags

Ans.   **SVG tag:** the <svg> tag defines a container for SVG graphics. SSVG has several methods for drawing paths, boxes, circles, text, and graphic images.

Canvas tag: The <canvas> tag is used to draw graphics, on the fly, via scripting (usually JavaScript). The <canvas> tag is transparent, and is only a container for graphics.