1. **What is a Tag? And explain the types of tags?**

**Answer -** HTML tags are like keywords which defines that how web browser will format and display the content. In HTML elements are known as tags. Types – form, meta, style, heading etc..

1. **What does a DOCTYPE do?**

**Answer –** DOCTYPE tells the browser what type of document to expect.

1. **Self enclosing vs paired tags and examples?**

**Answer –** self enclosing tags are single tags with no closing tag, where as paired tags encloses content with a opening and a closing tag.   
self enclosing tag - <a href=””>

Paired tag - <p>This is a paragraph</p>

1. **What are the Text formatting tags in HTML?**

**Answer –** Text formatting tags are <b/>, <strong/>, <em/>, <i/> etc.

1. **How to insert the image into a web page?**

**Answer –** we can insert the image into web page by using img tag with a src attribute which takes the location of the image.

1. **Differentiate between absolute path and relative path?**

**Answer –** Absolute path specifies the complete path from the root directory of your system where as relative path is the path relative to the project you are currently working on.

1. **What are the semantic tags and their benefits?**

**Answer –** A semantic element clearly describes its meaning to both the browser and the developer. Example - <form>, <header>, <article>, <table> etc.

1. **How many types of heading does an HTML contain?**

**Answer –** 6 <h1> to <h6>.

1. **How to create a hyperlink in HTML?**

**Answer –** by using an anchor tag we can create a hyperlink in HTML  
example - <a href=””>.

1. **Which HTML tag is used to display the data in the tabular form?**

**Answer –** We can use <table> tag to create tables in html. Along with that we need to use <td>, <th>, <tr> tags.

1. **What are some common lists that are used when designing a page?  
   Answer –** Few common list types are ordered list, unordered list, and description list
2. **What is an image map?**

**Answer -** An image map is an image with clickable areas. The areas are defined with one or more <area> tags.

1. **How to insert a copyright symbol on a browser page?**

**Answer –** We can insert copyright symbol by using &copy or &#169 inside a paragraph or span tag.

1. **How to create a nested webpage in HTML?**

**Answer –** We can make use of <iframe> tag to create a nested web page. It is used to load another html page within the document.

1. **Does a hyperlink only apply to text?**

**Answer –** No. we can make images icons as hyperlink as well.

1. **Explain the layout of HTML?**

**Answer –**

<DOCTYPE HTML5>

<HTML>  
<HEAD>

<TITLE></TITLE>

</HEAD>

<BODY>

</BODY>

</HTML>

1. **What are empty elements?**

**Answer -** An element that does not have an enclosing tag is called an empty element. Example - <area>, <br>, <hr> etc.

1. **What is the use of an iframe tag?**

**Answer –** It is used to load another html page within the document. It is

used to nest web pages.

1. **Explain meta tags in HTML**

**Answer –** Meta tag describes metadata for the document. These are used for giving content description. It doesn’t appear in webpage.

1. **What is the purpose of the alt attribute on images?**

**Answer -** The alt attribute is used to give an alternate name to the image. If in any case image cannot be loaded into the browser then this alternate name should appear in place of the actual image.

1. **What is the difference between span and div?**

**Answer –** div is an block level element. Which creates a new line to append data inside it, whereas span is an inline element, it appears in the same line where it is used.

1. **How can you highlight text in HTML?**

**Answer –** To Highlight text we can use <mark> tag. It gives a default yellow background to the text to highlight it.

1. **What were some of the key goals and motivations for the HTML5 specification?**

**Answer -** Major goals of HTML5 include making HTML code easier to read and staying up to date with the latest multimedia formats. It also aims to define the processes for dealing with syntax errors, so that invalid code will be handled the same by all web browsers.

1. **Briefly describe the correct usage of the following HTML5 semantic elements: <header>, <article>, <section>, <footer>   
   Answer -** These are all semantic tags which describes their own meaning.
2. **Explain the difference between block elements and inline elements**

**Answer –** block – new line, inline – same line.

1. **How do you serve a page with content in multiple languages?**

**Answer –** We can make use of lang attribute to change the language of the content.

1. **What is the difference between <section> and <div>?**

**Answer –** div has no meaning. It is often used to create block of children elements.  
section – it is used to group related elements. The content inside it relates to a single theme.

1. **Can a web page contain multiple <header> elements? What about <footer> elements?   
   Answer -** Yes.
2. **What is the purpose of the 'main' element?**

**Answer –** It specifies the main content of the document. The content inside main should be unique to the document.

1. **What are the building blocks of HTML5?**

**Answer –** tags, elements and attributes

1. **Why to use HTML5 semantic tags?   
   Answer –** To convey proper meaning of the element both to the browser and the developer.
2. **How would you select svg or canvas for your site?**

**Answer -** SVG provides better performance with a larger surface or a smaller number of objects. Canvas provides better performance with a smaller surface or a large number of object.

1. **What is the HTML form?**

**Answer –** form is an HTML element used to create content for taking user input.

1. **How to create a HTML form?**

**Answer –** Using Form tag <form></form>

1. **What are the uses of forms?**

**Answer –** It is used to take user input, collect user information.

1. **What are the form attributes?**

**Answer –** action, method, novalidate etc.

1. **When to use form HTML?**

**Answer –** When you want to take any data from the user we can create forms.  
Example – login and registration information.

1. **How to create a form using an HTML table?**

**Answer –** Table data field is used for input and label elements..

1. **How to create a login form and explain?**

**Answer –** It should have two input elements one of text type for user name and another of password type for user password.

1. **How to create a registration form and explain?**

**Answer –** It should have username, password, confirm password, email, mobile number etc.

1. **How to select multiple elements from the dropdown?**

**Answer –** By holding the ctrl button in your keyboard.

1. **What is the use of 'autocomplete’ complete attribute?**

**Answer –** It recognizes previously used text fields and helps to autocomplete the action.

1. **How to validate the form using html5 attributes and explain them with an examples?**

**Answer –** form validation can be done by using required attribute, input types such as email, password etc.

1. **How to bypass html5 validation/**

**Answer -** Using novalidate attribute to forms.

1. **Explain the difference between ‘GET’ and ‘POST’ methods in forms?**

**Answer –** GET – retrieval of documents, vulnerable   
POST – updation of data, safer than GET

1. **What is the use of the ‘action’ attribute?**

**Answer -** defines the action to be performed when the form is submitted.

1. **Explain the details of Form elements?**

**Answer –** input, textarea, label

1. **What is there in HTML5?**

**Answer -** HTML5 is the latest version of the Hypertext Markup Language, which is used for structuring and presenting content on the web. It introduces new elements, attributes, and APIs (Application Programming Interfaces) that enhance the capabilities of web pages.

1. **Why is HTML5 important?**

**Answer –** It provides better support for multimedia elements

It introduced new semantic elements

It gives support for canvas and SVG, allowing richer graphics and visual effects

It provides offline storage capabilities

1. **What are the benefits of HTML5?**
2. **What are the best features of HTML5?**
3. **What are the basic rules of HTML5?**
4. **What are new tags in HTML5?**
5. **Which tag is not valid in HTML5?**
6. **What is the syntax of doctype in HTML5?**
7. **Which input type is new in HTML5?**
8. **Write a program to load Video and Audio content into a web page?**
9. **Write a program to design Header and Footer into the web page?**
10. **Explain the use of figure and figcaption tag?**
11. **What is the use of regular expressions in html?**
12. **What is the best IDE for HTML coding?**
13. **Difference Between HTML and XML?**
14. **Difference between localstorage, session storage and cookies?**
15. **What is HTML5 offline storage?**
16. **How to clear cache in HTML5?**
17. **How does HTML cache work?**
18. **How is HTML data stored?**

1) Differences between HTML older version and HTML 5

2) HTML Features with Examples

        -The DOCTYPE declaration for HTMl5 is very simple, <!DOCTYPE html>

        - The character encoding<meta charset=”UTF-8”>

    - New function for embedding audio(<audio>), video(<video>), graphics(<svg> and<canvas>)

    - Client-side data storage

    - Interactive documents

    - New structural elements <article> ,<header>,<footer>,<nav>,<section>,and<figure>

        - New from control calendar, date,time,email,url,search

    - Javascript enhancement

    - New HTML5 API’s

    - HTML Geolocation, HTML Drag And Drop, Web storage

3) Create an ExcelR course registration form with HTML 5 form validations?