**HTML 5**

1. New Features in HTML5
   1. New Semantic Elements
   2. Canvas
   3. Audio & Video
   4. Geolocation
   5. Drag and drop
   6. Custom attributes
2. HTML Element/Tags
3. HTML Attribute
   1. Common attributes
      1. ID
      2. Name
      3. Align
      4. Height
      5. width
      6. Bgcolor
      7. Style
      8. Class
      9. Hidden
      10. Accesskey
   2. Custom attributes
4. Events
   * 1. Onclick
     2. Ondblclick
     3. Ondrag
     4. Onchange
     5. Onblur
     6. Onmousewheel
     7. Onfocus

Etc….

1. Basic Html Tags
   * 1. <html> -
     2. <Head> -
     3. <body> -
     4. <footer> -
     5. <title> -
     6. <meta> -
     7. <script> -
     8. <style> -
     9. <a> -
     10. <h1> to <h6> -
     11. <P> -
     12. <br/> -
     13. <hr/> -
     14. <div> -
     15. <table>
         1. <th>
         2. <tr>
         3. <td>
     16. Orderred list (OL)
     17. Unorders list (UL)
     18. Input
     19. Nav (navigation) -
     20. Iframe ---
     21. Image --
     22. Select
     23. Form
         1. Action
         2. Method
2. Passing information between Html pages
   1. Query string
   2. Document.cookie (cookies)
   3. Session storage
   4. Local storage
3. HTML5 Controls
   1. [Canvas](https://docs.google.com/document/d/1l4lLiR1cFOEx8zfU0GkZvbDhstq014Olk6IYvPZnpO4/edit)
   2. Audio & Video
   3. GeoLocation
   4. Drag Drop
   5. Custom attributes

**Java Script**

1. Introduction to Java Script.
   1. Hello world..!!
   2. Inline / internal / External
   3. [Document object](https://drive.google.com/file/d/0BwmL0SzLgLVaTkhnd3JqNHNyLTQ/view?usp=sharing)
   4. Change HTML content
      1. GetElementByID/Name
      2. Value
      3. InnerHtml
      4. Style
2. Function / event
3. Java Script Output
   1. Window.alert
   2. Document.write
   3. InnerHtml
   4. Console.log
4. Comments
   1. Single line //
   2. Multi line /\* \*/
5. Variables / Global variable
6. Arithmetic Operations

* , - , \* , / , ++ , --

1. Assignment Operations

= , += ,-= , \*= , /=

1. Loops / Conditional statements / Switch
2. For In
3. JSObjects
4. Arrays / Array Methods
   1. Tostring()
   2. join(\*)
   3. Push
   4. Pop
   5. Shift()
   6. UnShift(<element>)
   7. Slice
   8. Delete
   9. Sort
   10. reverse
5. Math Object
   1. Random
   2. Min /max
   3. Round / ceil / floor
   4. Constants

Math.PI , Math.SQRT2 , Math.SQRT1\_2 , Math.LOG2E , Math.LOG10E etc...

1. Date Object / Date Methods
   1. Date
   2. new Date()
   3. new Date(milliseconds)
   4. new Date(dateString)
   5. new Date(year, month, day, hours, minutes, seconds, milliseconds)
   6. toUTCString()
   7. getDate(),getDay() etc….
2. Comparison operator
   1. == ===
   2. != !==
   3. > < >= <=
3. Form Validation
4. JSON
   1. JSON.parse
5. DOM (Domain Object Model)
   1. DOM methods
      1. document.getElementById(id)
      2. document.getElementByName(id)
      3. document.getElementsByTagName(name)
      4. document.getElementsByClassName(name)
   2. DOM Properties
      1. element.innerHTML
      2. element.attribute = new value
      3. element.setAttribute(attribute, value)
      4. element.style.property = new style
   3. Events
   4. This
6. Window
   1. Open
   2. Close

**CSS**

1. Introduction
2. CSS Selectors
   1. Selector
   2. Grouping Selectors
3. CSS ways
   1. Inline
   2. Internal
   3. External

Css preference / Priority

1. Colors
   1. RGB

Red

Green

Blue

* 1. Hexa

1. Background
   1. Background - color
   2. Background - image
   3. Background - repeat
   4. Background- position
   5. Background-attachment
2. Borders
   1. Border - style
   2. Border - width
   3. Border - color
3. Height / width /max-height / max-width
4. Margins (1/2/3/4 values)
   1. Margin-right
   2. Margin-left
   3. Margin-top
   4. Margin-bottom
5. Padding (1/2/3/4 values)
   1. Padding-right
   2. Padding-left
   3. Padding-top
   4. Padding-bottom
6. CSS Position
   1. Static
   2. Relative
   3. Fixed
   4. Absolute
7. Over Flow
   1. Visible
   2. Hidden
   3. Scroll
   4. Auto
8. Float Vs Clear
9. Table Borders
   1. Border
   2. Border-collapse
   3. Width / Height
   4. Text-Align
   5. Vertical-align
   6. Padding
   7. stripped-table