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| **Introduction** | |  | a | |  | a | |
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**Introduction**

HTTP Response

format,methode..etc

HTTP Request

Request, Response

HTTP

Client Server Model

§%%

**HTML**

**PHP**

**HTML5**

|  |  |
| --- | --- |
| Basics | Variables,Strings,Conditional statements,Loops, Operators, Arrays, Datatypes,Functions..etc |
| Form Handling | Validation,collecting values:-  $\_GET,$\_POST,$\_REQUEST |
| Server Side Includes | include() ,require() |
| File Handling | open,close,read,write,upload |
| restrictions on upload,Saving uploaded file | |
| Sessions | Storing,Destroying |
| Adv Concepts | Ajax,Cookies,database connectivity,PHP XML DOM |
| Qns:-validates the email address first then allows visitors to login to site if they are found in database. | |

|  |  |
| --- | --- |
| Basic | New Tags,Input types,Attributes |
| Drag and Drop | draggable attribute,dataTransfer Object:- setData(),getData(),clearData() |
| dragstart,dragend,drop,dragdatastore emlist | |
| Canvas | <canvas>,getContext() |
| context:- moveTo(),lineTo(),stroke(),fillRect()..  ...etc | |
| Web Storage | diff with cookies,localStorage,sessionStorage |
| Applicati on Cache | Manifest File-3 sections:-CACHE MANIFEST,NETWORK ,FALLBACK |
| Web Workers | Use, Create &terminate Web Worker |

|  |  |
| --- | --- |
| Elements | Tags,Attributes |
| Styling | External,Internal,Inline |
| Links | <a>,<img> etc |
| Tables | rel Tags,Attributes |
| Lists | Unordered,Ordered,Definition |
| Forms | Method,Action,Form Elements |
| Frames | Diff Arrangements,Nested Frames |
| Basic Tags | <p><h1><b> etc |
| Events onClick,onFocus,onLoad,onChange. etc | |
| Qns:Create Resume Course Registration form  ...etc | |

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**XHTML**

1.0 Strict, 1.0 Transitional, 1.0

Frameset, XHTML 1.1

XHTML

Different Doctypes

Introduction syntax,html vs xhtml, xmlns

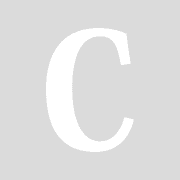
Attribute etc

|  |  |
| --- | --- |
| Basic | User input/output,Hash array |
| Variables | My,State,Local,Global |
| Imp of | $,@,% etc |
| Functions | definition,call, return, built in fns..etc |
| File | open,close with various modes. |
| Other | Pattern match, back reference,replace.etc |
| system | backticks,system,exec...etc |
| Qn:Read/write from/to file. | |

**Perl**

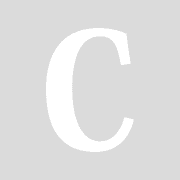
**CSS**

|  |  |
| --- | --- |
| Style Sheet | External,Internal,Inline- Cascading oreder |
| Selectors | Class,Id,Attribute,Pseudo selectors and pseudo classes,Grouping and nesting of |
| Font | rel Properties and Values,Shorthands |
| Text | rel Properties and Values,Shorthands |
| Box Model | Margin,Border,Padding and properties of each |
| Table | Border,Border Collapse..etc |

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**CSS (cont)**

**SQL Injection**

**Python**

**XML**

**Javascript**

**JQuery**

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| CSS3- Text Effects,2D &3D  > Transforms,Transitions,Animations |
| Qns; Using CSS3 create :Resume  Animated dock object,Analog Clock, 3D Cubes, Stylish Menus, CSS Accordian,Image Gallery...etc |

|  |
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| Basic syntax,ready  Concepts function,Selectors,Event  Functions,Effects,Filters, Callback function:-with or without args |
| Overriding the $-function ,Special Effects,HTML & CSS manipulation |
| Adv Ajax, Cookies,Plugins...etc Concepts |
| Plugins Write own plugin,  $.extend(),Namespacing. |
| JQuery UI Widgets |
| Ajax learn funs:-ajax,get,post, load,ajaxComplete etc |
| Qns:create various types of JQuery UI Widgets |

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| XML Vs Differences HTML |
| XML DTD External,Internal |
| XML with <?xml stlesheet...> CSS |
| CDATA,PCDATA |
| <!keyword..> ELEMENT,ATTLIST,ENTITY,N  OTATION |
| Entities references..&lt;< &gt; > etc |
| XML Name conflicts namespaces |
| Qns:DTD declaration of XML |

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| SQL Basic concepts. |
| SQL What is sql injn, First Order sql Injection Injection,Second Order sql Injection |
| prevention |
| Qns:-Demonstrate second order and Blind Injection |

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| How to? | Internal,External |
| JS Vs JAVA | - |
| Basic | Variables,Strings,Conditional statements,Loops, Operators, Arrays, Datatypes,Functions..etc |
| User Interactivit y | Alert,Promt,Confirm..etc |
| Error Handling | Try...Throw Catch |
| Objects | Create,access(using for..in), rel Propertis and methods |
| Events | Event handlers, Timing events...etc |
| Validation Form, Email etc | |
| Cookies, Ajax | |
| Access and Manipulate HTML DOM Objects,CSS | |
| Qn:factorial of number, GCD, Binary equivalent etc | |

|  |  |
| --- | --- |
| Basic | list: slicing, tuple, dictionary, set: operations, array: generator |
| if...elif, while, for...in ...etc | |
| Modules and Packages | Import,Reload |
| File handling | open,close with various modes,use of pickle |
| Class | Inheritance,Operator overloading,instance and class variable etc |
| Other | functions, read from xml,lambda expressions..etc |

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