

Introduction

Internet	
WWW	
Client Server Model	
HTTP	Request, Response
HTTP Request	format,method..etc
HTTP Response	

HTML

Elements	Tags,Attributes
Styling	External,Internal,Inline
Links	<a>,.....etc
Tables	rel Tags,Attributes
Lists	Unordered,Ordered,Definition
Forms	Method,Action,Form Elements
Frames	Diff Arrangements,Nested Frames
Basic Tags	<p><h1>.....etc
Events	onClick,onFocus,onLoad,onChange..etc

Qns:Create Resume
Course Registration form
...etc

XHTML

Introduction	syntax,html vs xhtml, xmlns Attribute....etc
XHTML	1.0 Strict, 1.0 Transitional, 1.0
Different	Frameset, XHTML 1.1
Doctypes	

PHP

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.

Perl

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.	

HTML5

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

CSS

Style Sheet	External,Internal,Inline- Cascading order
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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Page 1 of 2.

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CSS (cont)

CSS3- Text Effects, 2D & 3D
> Transforms, Transitions, Animations

Qns; Using CSS3 create :Resume
Animated dock object, Analog Clock, 3D Cubes,
Stylish Menus, CSS Accordion, Image
Gallery...etc

SQL Injection

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

Python

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

XML

XML Vs Differences
HTML

XML DTD External, Internal

XML with <?xml stlesheet...>
CSS

CDATA, PCDATA

<!keyword..> ELEMENT, ATTLIST, ENTITY, N
OTATION

Entities references..< > >etc

XML Name conflicts
namespaces

Qns: DTD declaration of XML

Javascript

How to? Internal, External

JS Vs -
JAVA

Basic Variables, Strings, Conditional
statements, Loops, Operators,
Arrays, Datatypes, Functions..etc

User Alert, Promt, Confirm...etc
Interactivit y

Error Try...Throw....Catch
Handling

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

JQuery

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