Introduction

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

HTML

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

XHTML

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

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,dragdatastoreitemlist
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 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

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 Accordian,Image Gallery...etc	

SQL Injection

SQL	Basic concepts.
SQL Injection	What is sql injn, First Order sql 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 HTML	Differences
XML DTD	External,Internal
XML with CSS	<?xml stlesheet...>
CDATA,PCDATA	
<!keyword..>	ELEMENT,ATTLIST,ENTITY,NOTATION
Entities	references..<< > > ....etc
XML namespaces	Name conflicts
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 Interactivity	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	

JQuery

Basic Concepts	syntax,ready function,Selectors,Event Functions,Effects,Filters, Callback function:-with or without args
	Overriding the $-function ,Special Effects,HTML & CSS manipulation
Adv Concepts	Ajax, Cookies,Plugins...etc
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	