WEB & INTERNET TECHNOLOGY
(PE521CS)
B.E.(CSE) V - SEM (CBCS)
Important Questions Unit-Wise

Note: As per the knowledge that acquired form the previous External Question papers, the following important questions are prepared. It does not mean that only these questions will appear in Examination.

UNIT-1 (HTML5)
SAQ
1) Write HTML code to create a link for other section within the same page.
2) List out the differences between html and xml.
3) What is URI? Write its format.
4) What is the format of URL?Illustrate.
5) Illustrate   a) WWW   b)URL   c)HTTP   d) Web Browser
6) What is CSS? How many ways are there to include styles into a WebPage.
7) Define CSS. Illustrate with an example the concept of external styling in HTML5.
8) How many types of lists are supported by HTML5. Explain
9) How many ways are there to embedded scripts into HTML5 code. Explain.
LAQ
1) Write short note on the following tags. < img >, < table >, <a >, < pre >
2) Demonstrate with a sample code to include different multimedia content and external files into a WebPage using HTML5.
3) Create a XHTML registration form to accept the details of a student : Name, Address (Street Name, Country and Pincode), Sex (Male/Femal), Branch (chosen from a list box) and Courses (Check box). Provide submit and reset buttons on it.
4) Create a form to accept the details of a student : Name, Address, Sex (Male/Female), Electives (Check box), and Branch (chosen from a list box). Provide submit and Reset buttons on it.
5) Write short notes on WWW?
6) Write down the HTML5 code for creating the below table specification and insert two studentsinformation.

Students Information					
Roll No.	Name of the Student	Branch	Class	Course	Email ID

UNIT-2(JAVASCRIPT)
SAQ

1) Write a JavaScript code for ONFOCUS event.
2) List out various Data types supported in python.
3) Write JavaScript function to validate email-id.
4) Write JavaScript function to validate phone number.
5) Define AJAX and its importance.
6) What are the data formats supported by AJAX. Explain.
LAQ
1) Write a JavaScript code to find sum of n even numbers? Read the value of n from user?
2) Write JavaScript code to validate the form fields username (alphabets only maximum 10characters), password and retype password (must match with password).
3) Write JavaScript code to validate the form fields username, password and email id.
4) Write a JavaScript program to validate the following formfields
    Username(Must start with a Capital Letter, alphabets only)
    Password(Must contain one Special character and number)
    Email(universally accepted email pattern)
     Mobile(must contain exactly 10 digits)
5) What is AJAX? List out various security issues with AJAX?
6) Difference between JavaScript and Ajax?

UNIT-3(XML)

SAQ

1) Explain the purposes of XML Processors.
2) What are the advantages of XML schema over DTD's?
3) Differentiate DOM and SAX parses.
4) Explain DTD. What is the use of DTD. How to link an external DTD into and XML Document.
5) What are the different elements we see in an XML document
6) Differentiate DTD and Schema.

LAQ

1) What is the use of XML namespaces? Explain in detail with an example?
2) Why XSLT is important for XML?
3) Write short notes on XML parsers

>   *University(department+,instructor+)*
>   *department(dept_name,building,budget,course+)*
>   *course(course_id,title,credits)*
>   *instructor(IID,name,dept_name,salary,course_id)*

4) A)Create an XML document for the above specification.
   B) Define the XML Schema for the above XML document
5) Illustrate the concept of XML Schema? How XML is different from XML DTD. Explain?
6) Write a short note on DOM and SAX.
7) How to validate any XML document. Explain.

UNIT-4(SERVLETS)

SAQ

1) What is the difference between Servlet Context and Servlet Config objects?
2) What is persistent cookie?
3) How many servlet config objects are created for a web application?
4) Distinguish between Servlet and Filter.
5) What is Servlet chaining?

LAQ

1) Draw the life cycle of Servlet. Explain in detail steps involved in deploying a
web application
2) Define a Session. Explain Different Session handling Mechanisms in web applications
What is session tracking? Write a program to track session using Http session object.
3) Explain the functionality of javax.servlet.http package by discussing about classes, interfaces and methods of this package.

UNIT-5(JSP)

SAQ

1) List out JSP implicit Objects.
2) Differentiate JSP include and JSP forward action tags
3) Explain the anatomy of JSP page?
4) What is deployment description?
5) Explain the concept of Cookie.
6) Interpret in your own words about session tracking
7) What is JSPEngine. What is the use of it.

LAQ

1) Explain in detail different JSP elements.
2) Explain Different Types of JSP Directives in detail.
3) Explain about implicit objects in JSP?
4) Write a jsp program to accept two values from the user using forms and display the sum to the user.
5) Write a program to create iterative custom tag using Tag Extension.
6) Explain in detail the mechanisms to secure a web application.
7) What is a Container? Explain in detail steps involved in deploying a web application.
8) Explain in detail the life cycle methods of a Filter.
9) Write a short note on the following JSP tags
   a) Directives   b) Scripting Elementsc) Action Tags   d) Custom Tags