**Unit-I(HTML)**

1.Explain about HTML Document Structure.

2. Outline the attributes of Text markup.

3. Discuss the tags used to create list, tables and images in HTML.

4. Construct ordered list and unordered list

5. Define CSS? List out the rules for writing CSS.

6. Build a Internal style sheet with font and color properties.

7. Illustrate external style sheet with an example.

8. Explain about level of style sheets.

9. Illustrate style specification formats

10. State the concept of Forms in HTML with examples

11. Summarize the concept of Margins and Padding in CSS

**Unit-II(XML)**

1. Illustrate to check whether an XML document is valid and well formed

2. Differentiate between DTD and XML scheme with an example

3. Explain the Document Object Model (DOM) structure for a simple document.

4. Define DTD? List the differences between external DTD and internal DTD’s and their

advantage with suitable example.

5. Compare and Contrast SAX & DOM parsers

6. List the limitations of Document Type Definitions (DTDs)? How these limitations are overcome using XML schema?

7. Discuss in detail SAX processing of XML with an example document

8. Discuss the areas of web development in which XML has potential.

9. Explain any four Keywords in a DTD and List the advantages of XML schema over DTD

11. Describe about XSLT Style Sheets with examples

# Unit -3(WORKING WITH JDBC)

1. Explain about Java Database Connectivity(JDBC)
2. List the different types of JDBC drivers
3. List the components of JDBC
4. Illustrate the working of JDBC APIS
5. With a neat diagram explain the architecture of JDBC
6. Explain how to work with Prepared Statement.
7. Illustrate with an example about Prepared Statement.

# UNIT-4 (SERVLETS,JSP)

1. Illustrate declaration of variables and methods in JSP application development?
2. Illustrate the JSP Implicit objects with suitable example
3. Explain the anatomy of JSP page in detail.
4. List the problems with servlets? How JSP solves the problems?
5. Explain the contents of WEB-INF directory and its use.
6. Explain in detail error handling and debugging in JSP pages.
7. Explain the anatomy of a JSP page.
8. Define MVC? Explain JSP application design with MVC.

# UNIT-5(NODE JS,ANGULAR JS)

1. Explain steps involved in installation of Node JS
2. List the differences between Angular and Node JS
3. Illustrate any two modules in Angular
4. Outline the directives in Angular
5. Demonstrate creation of basic angular application
6. Explain about dependency injection.
7. Illustrate with an example about data binding.
8. Explain NPM module by creating a sample Node Js application.

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| DTD | XML schema |
| DTD uses a small language to define the rules | xml schema is xml document.XML schema documents are more descriptive than compared to DTD |
| With DTD &XML Schemas we have a provision to declare complex types | with DTD the type name and the element name should be same which is not required in XML Schema |
| With DTD we don’t have a support to specify a particular occurrence for a element i.e MIN and MAX occurrence | with XML Schema we can specify the required Max and Min occurrences. |
| DTD doesn’t supports all the common types(i.e it considers numbers.. all as text #PCDATA) | with XML Schema we can specific type like String,char,number,double,float,Boolean XML schema supports NameSpace.Since XML Schema document is also an XML document it can be generated/written using any tool which supports |