Subject : Web Technologies

Class : III -I CSE

Department : Computer Science and Engineering

Note : All the questions are designed for 12M each.

**Unit – I**

1. Discuss in detail about Internet and World Wide Web. L1 [CO1] [12]
2. Give the structure of HTTP request and response message and explain

it in detail. L3 [CO1] [12]

1. Explain in detail the working of the SMTP Protocol. L2 [CO1] [12]
2. Discuss in detail about the working of the FTP Protocol. L2 [CO1] [12]
3. State and explain any four HTML5 elements in detail. L1 [CO1] [12]
4. Write XSLT code to display employee details in a Table form which is

stored is XML. L3 [CO1] [12]

1. Describe in detail about the different types of DTD with an example. L1 [CO1] [12]
2. Discover XML document to store voter ID, voter name, address and date

of birth details and validate the document with the help of DTD. L3 [CO1] [12]

1. Summarize in detail the XML schema, built in and user defined data types.L3 [CO1] [12]
2. Explain about DOM based XML Parsing L3 [CO1] [12]

**Unit – 2**

1. Summarize in different types of arrays in PHP with suitable examples. L2 [CO1] [12]
2. Design a simple HTML form with validation in PHP. L3 [CO2] [12]
3. Explain variables and operators with example in PHP. L1 [CO2] [12]
4. Demonstrate various control statements in PHP. L1 [CO2] [12]
5. Explain the predefined and user defined functions in PHP with example. L2 [CO2] [12]
6. Define Cookies. How to create and retrieve cookies in PHP with example. L2 [CO2] [12]
7. Explain the steps in the PHP code for querying a database with suitable

examples. L3 [CO2] [12]

1. Define Session. Explain by writing a program. L2 [CO2] [12]
2. List and explain scope of variable and super global variable in PHP with

example. L1 [CO2] [12]

1. Explain the process of handling a form in PHP with example. L3 [CO2] [12]

**Unit – 3**

1. Define Node JS. Explain in detail about Process Model. L1 [CO3] [12]
2. Describe Node JS Built in Modules with an example. L2 [CO3] [12]
3. Explain events in Node JS with suitable example. L2 [CO3] [12]
4. Define NPM. List some features and advantages of Node JS. L1 [CO3] [12]
5. Explain Node.js File System Module with suitable example. L2 [CO3] [12]
6. Describe Node JS HTTP Modules with an example. L2 [CO3] [12]