Subject : Web Technologies
Class : III -I CSE
Department : Computer Science and Engineering

Unit – 3

1. Differentiate between SQL and NOSQL databases. — L4 [CO3] [6]
2. Define MongoDB. Explain the feature of MongoDB in detail — L2 [CO3] [6]
3. Explain the data modelling in MongoDB. — L3 [CO3] [6]
4. List out Advantages of MongoDB over RDBMS? Explain features of MongoDB in detail? — L1 [CO3] [6]
5. Develop the PHP code to connect MongoDB and perform the insert Operation. — L2 [CO3] [6]
6. What is Mongo DB? Explain its significance with Web Programming. — L1 [CO3] [6]
7. Develop a NodeJS program to create and insert operation in MongoDB with suitable example. — L2 [CO3] [6]
8. Explain in detail about MongoDB CRUD Operations — L3 [CO3] [6]

Unit – 4

1. Define Servlets. Explain about Lifecycle of a Servlet with an example. — L2 [CO4] [12]
2. Explain the various methods of GenericServlet .Demonstrate with an example. — L3 [CO4] [12]
3. Define session handling. Demonstrate the use of cookies in Servlets with an example. — L3 [CO4] [12]
4. Develop a program to reading form parameters and initialization parameters in Servlet. — L2 [CO4] [12]
5. List out the classes and interfaces in javax. servlet.http package with an example. — L2 [CO4] [12]
6. Define Cookies. How to create and retrieve cookies in servlet with an example. — L1 [CO4] [12]
7. Develop a HTTP Servlet program to authenticate a user and retrieve Information from a HTML registration form. — L2 [CO4] [12]
8. Explain how to handle Http request and responses using servlets with example program. — L3 [CO] [12]
9. Develop a Servlet program to implement session tracking using HTTP session object. — L2 [CO4] [12]
10. a) Develop a servlet how to handle HTTP POST request? — L2 [CO4] [6]
    b) Discuss the Security issues in Servlets. — L2 [CO4] [6]

Unit – 5

1. a) Differentiate between Servlets and JSP.. — L1 [CO5] [6]
   b) Discuss about the JSP directive Elements with an example — L1 [CO5] [6]
2. Explain about JSP actions elements with an example — L2 [CO5] [12]
3. Describe the different methods used for Session tracking in JSP — L2 [CO5] [12]
4. List out various JSP implicit objects with an example. — L1 [CO5][12]
5. Demonstrate a JSP code to retrieve the student data using mysql database. — L3 [CO5][12]

6. a) Explain the various Scripting elements with suitable code.   L1 [CO5] [6]
   b) Differentiate the jsp:forward and jsp:include action elements.   L1 [CO5] [6]
7. Demonstrate the MVC to validate the login credentials using JSP.   L3 [CO5] [12]
8. a) Explain the procedure to connect with mysql using JSP?   L2 [CO5] [12]
   b) Explain the process of JSP page with simple example.   L2 [CO5] [12]