



**SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR**  
Siddharth Nagar, Narayanavanam Road – 517583

**QUESTION BANK (DESCRIPTIVE)**

**Subject with Code :** Web Technologies (16MC820)

**Course & Branch:** MCA

**Year & Sem:** II-MCA & II-Sem

**Regulation:** R16

**UNIT –I**

**Java Bean, HTML & Javascript**

1. a) What is a Java bean? Advantages of Java bean? 5M  
b) Explain the lists in HTML. Give an example. 7M
2. What is a form? Explain any 10 form controls in detail. 12M
3. Explain about the BDK introspection in detail. 12M
4. a) What are bound properties and constrained properties? 6M  
b) Explain about the frames and floating frames in detail. 6M
5. a) Explain the tables in HTML with example. Necessary of tables in HTML? 6M  
b) Explain how will you add audio and video in html page with example. 6M
6. a) What is an image? Explain different types of image in detail. And how will you insert an image in a HTML page? 7M  
b) What is image mapping? Explain it with an example. 5M
7. Explain the purpose of JavaScript. Explain how will a user will interact with the system using javascript. 12M
8. Explain the various operators in javascript in detail. 12M
9. (a) Explain atleast 8 event handlers in detail. 5M  
(b) Design a html registration page in which the name, password, confirm password, gender are to be validated. 7M
10. Explain the following javascript objects in detail 12M  
(a) Form (b) Text (c) Password (d) Radio (e) Checkbox

**UNIT –II**  
**WEB SERVERS and SERVLETS, DATABASES**

1. a) What is a webserver? How will you install Tomcat in your system? 6M  
b) Write a “helloworld” servlet program and run the application. Explain. 6M
2. Explain the different session tracking techniques in detail. 12M
3. Explain the late binding and early binding in polymorphism with an example program. 12M
4. Explain the life cycle of a servlet in detail. 12M
5. How will you read the servlet parameters? Explain with examples. 12M
6. What are initialization parameters? Write a web application that illustrates the initialization parameters. 12M
7. What is a cookie? How will you maintain session using cookies? 12M
8. Explain the steps to access the database using servlet. 12M
9. Write a servlet program to read the input from the forms and display the same. 12M
10. Explain the following of Database 12M
  - a) Simple statement
  - b) Prepared statement
  - c) Callable statement

**UNIT-III****JSP**

1. a) What is JSP? What is the need for JSP? Explain the problem with servlet. 5M  
b) Explain the anatomy of JSP with an example in detail. 7M
2. Explain the JSP processing detail. 12M
3. Explain the scripting elements of JSP in detail. 12M
4. a) Explain the implicit objects of JSP in detail. 6M  
b) What is a scriptlet? Explain it with an example. 6M
5. Explain the techniques of error handling and debugging of JSP. 12M
6. Discuss the standard action tags of JSP in Detail. 12M
7. Explain the process of deploying a java bean into JSP. 12M
8. How will you pass the control and data between pages. 12M
9. Explain the declaration, scriptlet and expression of JSP in detail. 12M
10. How will you access a database from a JSP page. 12M

**UNIT-IV****PHP**

1. What is PHP? What is variable in PHP? Explain variables in detail. 12M
2. (a) What are the data types available in PHP? Discuss. 7M  
(b) Explain String of PHP in detail. 5M
3. Explain the following in PHP 12M  
a) echo b) print c) constants
4. Explain operators of PHP in detail. 12M
5. Explain the control structures of PHP in detail. 12M
6. (a) How will you define a function in PHP? Explain. 8M  
(b) Write a PHP program to illustrate a function. 4M
7. a) What is an array in PHP? 4M  
b) Explain in detail with a sample program? 8M
8. Explain the process of handling a form with example. 12M
- 9 Explain the process of handling files of PHP in detail. 12M
10. How will you handle errors and exceptions in PHP? 12M

**UNIT-V****AJAX**

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| 1.  | a) What is AJAX? Why AJAX is necessary?                                  | 5M  |
|     | b) Explain XMLHttpRequest of AJAX in detail.                             | 7M  |
| 2.  | Explain the requests, responses in AJAX.                                 | 12M |
| 3.  | Explain the process of having XML using AJAX.                            | 12M |
| 4.  | How will you access the database in AJAX?                                | 12M |
| 5.  | How will you handle dynamic HTML with AJAX?                              | 12M |
| 6.  | How will you handle requests in AJAX?                                    | 12M |
| 7.  | How will you access data from the tables stored in database?             | 12M |
| 8.  | Explain PHP with AJAX in detail using a program.                         | 12M |
| 9.  | Write an AJAX program that access details from XML and display the same. | 12M |
| 10. | Explain the process of sending data to the server using                  |     |
|     | a) GET   | 6M  |
|     | b) POST  | 6M  |

Prepared by: B. Mohinder Singh, Assoc. Professor, Dept. of MCA