

GUJARAT TECHNOLOGICAL UNIVERSITY

Master in Computer Application (Integrated MCA)

Year III – (Semester-V) (W.E.F. June 2015)

Subject Name: Web Development Tools (Indicative List)

Subject Code: 4450602

- 1) Write a PHP program to display current date and time and display Good Morning / Good Afternoon / Good Evening message according to current time.
- 2) Create a web page for user profile and execute a PHP file on submission of the form and display the information using PHP.
- 3) Write a PHP Program to perform following operation on Array where values in array are entered by user
 - a) Print the values of array.
 - b) Reverse an array.
 - c) merge two arrays in sorted manner.
 - d) add values of all elements of an array.
- 4) Write a PHP function
 - a. to print your name.
 - b. to print the size of a string. Pass string as an argument
 - c. to accept variable length arguments and display sum of all values and total number of arguments.
- 5) Write a PHP program to perform following string operations:
 - e) print your name.
 - f) print the size of a string. Pass string as an argument.
 - g) concat two strings.
 - h) convert case of string
 - i) find one string from another.
- 6) Write a PHP program to find out maximum and minimum number.
- 7) Create an application to create a cookie, access a cookie and destroy the cookie.
- 8) Create an application that keeps track of how many times a visitor has loaded the page.
- 9) Set a session after user's login; maintain the user's data with session. Destroy the session and its data after a period of time.
- 10) Build an authentication application and restricts the unauthorized user from loading the page. And redirect the page with appropriate message.

- 11) Write PHP code to store image in a database table.
- 12) Write PHP code to implement Querystring (passing variables using URL) concept.
- 13) Write PHP code to develop E-mail registration form and store all the submitted data in database table.
- 14) Write a program to read customer information like Cust_no, Cust_name, Item_purchased and Mob_no from Customer table and display all these information in table format on output screen.
- 15) Write a program to develop student registration form and display all the submitted data on another page.
- 16) Write a program to read Employee informations like Emp_no, Emp_name, Designation and Salary from EMP table and display all these informations in table format on output screen. Provide option for editing and deleting a particular record from database.
- 17) Write PHP code to upload File/ image.
- 18) Develop an application which stores Railway's info with following fields Trainno, code, name, Type, Starting city, Destination city, Flag (W for weekly, D for Daily) Provide the following facilities like:
 - a. Search by Starting city
 - b. Search by Train Type
 - c. List of train by Flag.
- 19) Write a program to calculate total weekly pay. If the user enters the number of hours worked and selects the hourly rate of pay from a list box. If overtime has been done, the number of hours is also entered. Over time hours are paid at double rate. A check box displays overtime. Calculate total amount to be paid.
- 20) Develop an application to add the movie name currently running with following operations:
 - a. To see all the favorite movie
 - b. To view top 5 and 10 movies
- 21) Create an application which displays the info about a particular institute which enables the user to see the faculty list according to department.
- 22) Write a PHP program to calculate interest for loan using user defined class 'loan calculator'.
- 23) Write a program for online merchants with following operations:
 - a. Customer login for further transactions
 - b. Validates the customer's information
 - c. System should protect customer's information
- 24) Develop an application for a shopping cart with following operations:
 - a. Manage and display the catalog

- b. Add, Update and delete the products
 - c. Process the shipping info
 - d. Stores the order info
 - e. Display the summary
- 25) Display the most popular item to your customer which is purchased the most? If the item is in top 5 display the description to the customer.
- 26) Create a database application for social gathering containing
- a. Information about the location (eg: club house, Party venue)
 - b. Facilities available in the venue
 - c. Booking for the specific events
 - d. Display the booking details for current month and also generate the report for the bill to be paid
 - e. for a particular booking

List of Practicals: AJAX & JQUERY

- 1) Create a Registration form with validation using AJAX.
- 2) Create a polling application (Survey) using AJAX and PHP.
- 3) Create a Suggestion application using AJAX and PHP
- 4) Create an Application which will retrieve data from database.
- 5) Create a form validation program using jquery