C   Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

PART A - (5x 1 = 5 Marks)

Answer All Questions

1. In the network HTTP resources are located by   CO1- R

   (a) uniform resource identifier   (b) unique resource locator

   (c) unique resource identifier   (d) none of the mentioned

2. The common element which describe the web page, is?   CO2-R

   (a) heading   (b) paragraph   (c) list   (d) All of the above

3. JavaScript is designed for following purpose   CO3- R

   (a) To Style HTML Pages

   (b) To add interactivity to HTML Pages

   (c) To Perform Server Side Scripting operation

   (d) To Execute Query Related to DB on Server

4. Select the incorrect statement about PHP programming language   CO4- R

   (a) classes are case insensitive   (b) functions are case insensitive

   (c) variables are case insensitive   (d) constants are case insensitive

5. AJAX stands for   CO5- R

   (a) advanced JSP and xml   (b) asynchronous javascript and xml

   (c) asynchronous JSP and xml   (d) advanced javascript and xml

6. Design a simple HTML page to display the current semester course names using roman numeral ordered list.   CO1-Ana

7. Create a webpage using HTML to apply inline style to a BODY tag to repeat the background image only in horizontal manner.   CO2- Ana

8. What is the purpose of CSS Box Model and mention its parts also.   CO3- U

9. List out the levels of DOM.   CO4- U

10. What is the difference between mysql_fetch_object and mysql_fetch_array?   CO5- U

PART – C (5 x 16= 80Marks)

11. (a) (i) Write short notes about the essentials of Internet protocols?   CO1-U   (6)

    (ii) Design a web site for the online registration for Voters enrollment. The page has two frames left and right frames. The left frame designed with list of links such as introduction, rules and regulation, Enrollment form, feedback form. The introduction page should display the objective of online portal for Voter enrollment. The rules and regulation page displays the constraints and acts of Election commission in ordered and bulleted list. The enrollment form and feedback forms should have various FORM elements to collect the user information.   CO1-Ana   (10)

<div align="center">Or</div>

    (b) (i) Discuss how web client and server will communicate? Illustrate it with request and response header scenario with example.   CO1 -Ana   (6)

    (ii) A book shop web page which should display the available book details in a shop in a tabular form with title of the book, author details, quantity and price of a book. The customer should choose the required books from the list. The shop keeper should prepare the bill. Design the scenario using various HTML Elements.   CO1 -Ana   (10)

12. (a) (i) Discuss any two different layout models in style sheet with example code?   CO2 -Ana   (10)

    (ii) Design a web page that allows the user to choose from a series of images and to view the image in color and grayscale.   CO2 -Ana   (6)

<div align="center">Or</div>

55021

(b) (i) How to place an image at the bottom right corner of web page even the page has resized. Discuss with example code?　　CO2 -Ana　(6)

(ii) Write a XHTML program to create a web page for your college information using any one CSS type (Assume your own data). Explain the various CSS properties in detail. Write a suitable code for each property.　　CO2 -App　(10)

13. (a) (i) Design a HTML page for BMI calculator. Write a function compute BMI that takes as parameters a weight in pounds and a height in inches and returns the Body Mass Index (BMI) for an individual with these characteristics. BMI is calculated from the equation: 703 * weight / (height * height) and display the BMI in the span with the id of "score." You should also describe the person's body type based on their BMI score using the following criteria:　　CO3- C　(10)

•Underweight: < 18

•Normal: 18 – 25

•Overweight: 25 – 30

•Obese: > 30

The person's body type should be displayed in the span with the id of "type" and you may assume valid input into the text boxes.

(ii) How would to collect the client browser detail using DOM. Illustrate it with example?　　CO3- U　(6)

Or

(b) (i) Design a credit card transaction web page which accepts card number as three separate part and validate then before processing transaction. Write a java script function to validate the card number. Also the page has a script code to move the cursor automatically when a card number has been enter between the parts.　　CO3- Ana　(8)

(ii) Elaborate DOM history and intrinsic levels in event handling.　　CO3- U　(8)

14. (a) (i) Design a web page for an Online voting Form with various HTML components. The form should collect the Voters ID Number, name, Constitution, Booth No. And the form should display the party Name using radio Button. Develop a PHP application to receive the voting information's and record the details into a table. The candidate Names are stored in an array. Based on the party Name selected by the user the candidate name should be displayed. If voter name or Voter ID Number is empty then display the message "Enter a Correct Details" and provide a link to the Voting form for reentering the details again.   CO4-Ana   (12)

(ii) How can we get the properties (size, type, width, height) of an image using PHP image functions?   CO4- U   (4)

Or

(b) (i) In how many ways we can retrieve the data in the result set of MySQL using PHP? Give required code examples?   CO4 -U   (8)

(ii) Write a PHP web application to check the student information is available in the database. Initially the form should collect the regno of a student. When the user clicks the search button, it connects to the PHP program to accomplish the search task.   CO4 -U   (8)

15. (a) (i) How does AJAX works? Illustrate the steps to Integrating PHP and AJAX with example code?   CO5- U   (10)

(ii) Discuss the significance of Namespace in XML?   CO5- U   (6)

Or

(b) (i) Get the student's details like name, register number and mark using form. Generate DTD for this XML document.   CO5-Ana   (10)

Name	RegNo	Mark
xyz	1000	90
abc	1001	80
rst	1002	89

Generate the collected information in the descending order of marks using XSLT. Results should be displayed in the above format. Write a source code and explain the same.

(ii) Write short notes on SAX and Ajax in XML.   CO5-U   (6)

55021