

(Time: 2 $\frac{1}{2}$ hours)

[Marks: 75]

Please check whether you have got the right question paper.

- N. B.: (1) **All** questions are **compulsory**.
 (2) Make **suitable assumptions** wherever necessary and **state the assumptions** made.
 (3) Answers to the **same question** must be **written together**.
 (4) Numbers to the **right** indicate **marks**.
 (5) Draw **neat labeled diagrams** wherever **necessary**.
 (6) Use of **Non-programmable** calculator is **allowed**.

1. Attempt **any three** of the following:

15

- List and explain important applications of internet in brief.
- Explain different approaches to style sheets.
- Write a short note on internet address.
- How hyperlinks are created in HTML? Explain with the help of an example.
- What is search engine? Explain its working.
- Write HTML code to design following web page:

- | |
|---------------------------------------------------------------------------------------------------------|
| A. Scripting Languages <ol style="list-style-type: none"> VB SCRIPT JAVA SCRIPT |
| B. DBMS <ul style="list-style-type: none"> ▪ ORACLE ▪ MY SQL |

2. Attempt **any three** of the following:

15

- What is image map? Write the difference between client-side and server-side image mapping.
- Write the purpose of using: rowspan, colspan, cellspacing and cellpadding in Table tag. Give example.
- Write HTML code for embedding an audio and video in a web page.
- Explain the semantic tags of HTML5.
- Write HTML code to design a form to enter name of the user, his/her password, and gender (radio button for male/female), hobbies (checkbox for reading/singing/sports), favorite color (list box red/green/blue) and submit and reset button.
- Explain <DIV> tag with the help of suitable example.

3. Attempt **any three** of the following:

15

- Differentiate between client side and server side JavaScript.
- Write a JavaScript program to display all the prime numbers between 1 and 100.
- List and explain the methods of string object of JavaScript.

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- d. Explain the following operators of JavaScript:
 (i) new (ii) delete (iii) this (iv) void (v) ,(Comma)
- e. Write the codes to design following web page and validate all the controls placed on the form using JavaScript as given:
 Name should not be blank,
 Check email-id is valid,
 Check Pin code is 6 digits long.

Name:

Email-id:

Pin code:

- f. Define events and event handlers. List various types of mouse event.

4. Attempt any three of the following:

15

- a. Write the difference between GET and POST methods in PHP.
- b. Explain different types of arrays available in PHP.
- c. Write a PHP program to demonstrate the use of different string functions.
- d. Explain error handling in PHP.
- e. Write a short note on variables in PHP.
- f. Write a PHP program to create one dimensional array.

5. Attempt any three of the following:

15

- a. What is a cookie? How to store and retrieve the values in cookie in PHP?
- b. Explain any five PHP/MYSQL functions with example.
- c. Write a PHP program to send email with attachment.
- d. How to start and destroy a session and how to store a session variable in PHP? Explain.
- e. Write a short note on regular expressions in PHP.
- f. Write a PHP code to create a database "Company" and to create a table "Employee" (emp_id, emp_name, emp_dept, emp_salary).