

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** calculators is **allowed**.

1. Attempt any three of the following:

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- What is WWW? Write difference between WWW and Internet.
- List and explain different types of CSS selectors with example.
- Write short note on Uniform Resource Locator.
- Explain the following HTML tags with the help of example:
(i)
 (ii) <pre> (iii) <h6> (iv) <p> (v) <a>
- What is proxy server? Discuss its application with reference to internet.
- Explain different types of lists available in HTML with the help of example.

2. Attempt any three of the following:

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- How to format and position a division on a web page? Explain with example.
- Write HTML code to design given web page using Table tags.

Sales Report			
ITEM CODE	UNITS	RATE	SALES
1	2	100	200
2	5	50	250
3	10	250	2500
Total Sales			2950

- How will you create graphical navigation bar? Explain with example.
- Explain <audio> and <video> tags in HTML 5.
- Write HTML Code to design a web page with Image Maps.
- List and explain any five HTML Form controls with example.

3. Attempt any three of the following:

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- Write a short note on “for...in” looping statement in JavaScript.
- Write a program in JavaScript to accept a sentence from the user and display the number of words in it. (Do not use split () function).
- Explain following events:
(i) onclick (ii) onfocus (iii) onmouseover (iv) onload (v) onerror
- Write a JavaScript program using various methods of Date Object.
- Write a short note on comparison and logical operators in JavaScript.
- List various features of JavaScript.

4. Attempt any three of the following:

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- What is PHP? Write the advantages of using PHP for server-side web scripting.
- Write a PHP code to find the greater of two numbers. Accept the numbers from the user.

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- c. Explain any five string functions available in PHP with example.
- d. What are the different methods available in PHP for passing the information from one page to another? Explain.
- e. Write a short note on PHP data types.
- f. Explain associative array in PHP with the help of example.

5. Attempt any three of the following:

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- a. Explain following PHP/MYSQL functions:
 (i) `mysql_connect ()` (ii) `mysql_close ()` (iii) `mysql_query ()`
 (iv) `mysql_select_db ()` (v) `mysql_error ()`
- b. Write a PHP program to demonstrate the use of cookies in PHP.
- c. Compare POSIX and PERL style Regular expressions of PHP.
- d. List various HTTP functions available in PHP. Explain `header ()` function in detail.
- e. Write a PHP program to create a database named “employee”. Create a table named “salary” with following fields (eid, ename, esalary). Insert 3 records of your choice. Display the names of the employees whose salary is between 15000 to 20000 in a tabular format.
- f. Write a short note on PHP Session.