

2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-8P

(Data Communication Networking and Internet Technology)

Full Marks : 30

SET - 4

Marks Distribution :

Program Implementation	:	15 (5+10) (HTML+PHP)
Output	:	05
Sessional	:	04
Viva voce	:	06

Answer *any one* question.

1. Write an HTML page that contains a selection box with a list of 5 subjects in the above page when the user selects a subject, its marks should be printed next to the list.

Subject	Marks
Maths	92
Physics	80
Chemistry	86
English	94
Computer	91

2. Write a program that will accept an array of integers as input, and output an array where for each item in the source array, the new array will perform the following operations :

- (a) If the number is even then find ($2 \wedge$ location number).
 (b) If the number is odd then find (number X location number)

Example : array (10, 20, 5, 16, 38, 97, 84, 11, 21, 66)

Output : 1, 2, 15, 8, 16, 485, 64, 77, 168, 512.

3. Create a web page using HTML and PHP for Gross salary calculation of Employees. The following information should be provided by the user.

- (a) Name of Employee
- (b) Basic Salary
- (c) Percentage of D.A.
- (d) Percentage of HRA.
- (e) No. of days works in a month.
- (f) Gross Salary.

[D.A. and HRA percentage should be calculated against the basic salary.

$$\text{GROSS SALARY} = ((\text{BASIC} + \text{D.A.} + \text{HRA}) * \text{No. of Days}) / 30$$

4. Write a script to store the elements into an array. Perform the following operations :

Company Code	Brand
12	Yamaha
14	Hero Honda
6	Tata
9	Maruti Suzuki

- (a) Insert an item into 3rd position.
- (b) Delete the last element.
- (c) Get the Second element of the array.

5. Write a function CountWords (\$ string) that takes any string of characters and finds the number of times each word occurs. You need to ignore the distinction between capital and lower case letters.

Example :

```
string = 'Then the man gets the hen'
```

```
$ substring = 'he'
```

```
output : 4
```

(3)

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6. Design a web page using HTML and PHP that will print the Pascal Triangle for given number of lines.
If, line number = 6

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
```

7. Design a web page using HTML and PHP to accept two positive numbers from the users. Print all the prime numbers in between the two input numbers.
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