2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-8P

(Data Communication Networking and Internet Technology)

Full Marks : 30

SET – 1

Marks Distribution :

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

Answer *any one* question.

1. Design a web page using HTML and PHP that will take input of a number and check if it is Emirp Number or not. Also keep validations for null and non-numeric input.

   [An Emirp Number is a prime number reverse of which is also a prime number. For e.g. : 13 and 31 are both prime numbers, so 13 is an Emirp number.]

2. Design a web page using HTML and PHP that will print the following pattern in a table for an input odd line number (>=3). For line no : 7.

   ```
   A B C  D C B A
    B C  D C B
      C  D C
         D
      C  D C
    B C  D C B
   A B C  D C B A
   ```

   Keep validations for null and wrong inputs.

   [Inbuilt library functions may be used wherever necessary]

3. Suppose you have a default list of 'username's and 'password's in an associative multi-dimensional array. Now design a web page using HTML and PHP that implements a login system with username and password input and checks for credentials using that list.

   [Inbuilt functions may be used]

4. Design a web page using HTML and PHP that inputs 10 name of image files and prepare a gallery in the next page in 5×2 table along with the file names.

5. Design a web page using HTML and PHP that will input 'name' and 'age' list of 5 students using textbox and dropdown box and perform the following operations :

   (a) Print each student's record as " '<name>' is '<age>' years old" by pressing "PRINT ALL" submit button.

   (b) Print the list in sorted order on value of age (both descending and ascending) using 'SORT' submit button.

   [Inbuilt functions may be used wherever required]

6. Design a web page using HTML and PHP that will create a 'MEDICINE BILL'. Input 'Bill No', 'Bill Date', 'Customer name', 'Name of medicine', 'Price', 'Quantity (in pieces)', 'Type (Syrup/Tablet)' from user and print the bill detail by posting to the next page, calculating 'Gross Amount', 'Discount Amount', 'Payable Amount'. The second page will show bill details entry along with 'Gross Amount', 'Discount Value', 'Payable Amount'. [Only one medicine detail is sufficient]

   [Gross Amount = Price × Quantity, Discount = Gross × 10% and Payable Amount = Gross − Discount]

7. Create a login form with two text fields called "login" and "password". When user enters "Calcutta" as a username and "university" as a password it should be redirected to a Welcome.html page or to Sorry.html in case of wrong username/password.

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