Duration: 3 Hours	Max. Marks: 60.
	Date: 09/04/2018

SECTION-A

Q-1 (A) Do as directed. [1X4=4]

  I) Which one is most secure method from GET and POST? Why?
 II) State difference between == and === operator.
III) How to write destructor in PHP?
IV) How to validate textbox to allow only numeric value and non-empty value?

Q-1 (B) Answer the following in brief. (Any 3) [2X3=6]

  I) How to create function in PHP? State example.
 II) State difference between include and require statement? Demonstrate use of the same with example.
III) Write usage of Exit() and die() function. How it is used?
IV) Name the functions you would use for following task:
    1. Convert string into uppercase.
    2. Compare two strings.
    3. Sort an array in reverse
    4. Combine two arrays into one.

Q-2 Answer the following question. [5X2=10]

A) Admission process of Vibrant school have an admission criteria as follows. Student is eligible in following case.
  - Medium is English and percentage above 60.
  - Other medium, then percentage above 75.
  - Otherwise not eligible.
Consider admission page have a textbox for Student name, city, previous school, previous percentage, medium of school and one button submit. Clicking on submit button will pass details and display eligibility message on other page.

OR

A) Write a PHP script for perform student registration functionality which contains fields like student name, email Id, birthdate, joining date, semester, area of interest and contact number. While clicking on submit button display student details on next page using tabular format if all data is valid otherwise display proper validation message.
Following validation should be perform:
    1) All fields are mandatory.
    2) Student name should be at least 3 character.
    3) Birthdate should be dd/mm/yyyy.
    4) Contact Number should be 10 digits only.
    5) Email id should be valid email.

B) Suppose your application is maintain information of Employee which have data member like EmpName, City,DateOf Joining,Gender and method is display(). Department class inherit the properties of Employee and it has data member like Date of Joining and method is display (). Display the information of all Employee whose experience is more than 2 years with the help of reference variable of base class.

OR

B) Honda company wants to keep records of Bike currently available in its show room. Develop an application that will help company to manage records of Bike.
  - Create that classes required to store data of Bike. All Bike have Name, Price, Year of Manufacture and Colour.
  - Provide facility of search Bike depends upon the price.

Q-3 Answer the following in detail. (Any 2) [5X2=10]

A) Consider the scenario where there is more number of class available in project. And one want to use all necessary class in on the PHP file. It necessary to include all class file in created PHP file. IS there any solution to overcome this problem? And how?

B) What is associate array? How to implement associate array in PHP? Explain it with real world scenario.

C) Enlighten unique feature of PHP with proper explanation.

SECTION B

Q-4 (A) Do as directed. [1X4=4]

I) Write use of JQuery Selector.

II) User wants preserve detail for last 30 days on client machine identify which method is used to preserve data and write code for it.

III) Write use of global variable.

IV) What will be the output of the following JQuery script:
```
$(document).ready(function(){
     $('#name').toggle();
});
```

Q-4 (B) Answer the following in brief. (Any 3) [2X3=6]

I) Write use of prepared statement. Also give example of prepared statement using insertion query.

II) State two differences between session, cookie and query string with respect to PHP.

III) What should be output of following code:
```
1) $(document).ready(function(){
        $("*").toggle();
});
2) $(document).ready(function(){
        $("tr:even").hide();
});
```

IV) Enlist ways to destroy session in php with example.

Q-5 Answer the following question. [5X2=10]

A) Company decides to give increment to employee working in a company based on following criteria.
- Give increment of 5000 Rs, if experience more than 5 Year.
- Give increment of 3000 Rs if experience more than 3 Year.
- Give increment of 2000 Rs if experience more than 1Year.
- No increment if experience less than 1Year.

Write a code which takes employee id from textbox and update salary of employee based on above condition.
Consider table: Employee (Id, Name, Salary, Dept, Designation, No_of_Experience)

OR

A) Consider table : bankBranch (custno, cname, Acc_type, Balance, Branch_code),Branch(Branch_code, Branch Name)
Consider an Increment page with dropdownlist for Branch Name selection and textbox for account number and GiveIncrement Button. Clicking on button will gives 20% increment to all customers having selected account type and branch. Write PHP code to implement above functionality.

B) Consider Table: PatientMaster(Pid,PName,Disease,Age,BloodGrp)
Consider functionality "SelectByDisease" which takes Disease as an input parameter and returns all the patient who suffered from that disease in tabular format using AJAX Post method and display content in division tag.

OR

B) Medical System provide facility to sort Medicine details based on Name and Type and Expire Date. Create PHP application to implement above functionality and performed following sorting functionality
1. A to Z (based on Name)
2. Z to A (based on Type)

3. OLD to NEW (based on Expire Date)

Consider table. MedicineMaster(Mid, Mname, ExpireDate, Type, price)

Q-6 Answer the following in detail. (Any 2) [5X2=10]

A) What is PDO? Explain concept of PDO by giving proper example.

B) Consider a web page for login which consists of username and password. Clicking on login button data is saved in state management technique. Once the user clicking on logout button the state must be destroy and not allow redirection to any page. If user redirects to any other page the login status must be check before redirection. Which state management technique is used to implement above functionality? Write code for the same.

C) Explain following method with its use, syntax and example.
   1) mysqli_fetch_array()
   2) mysqli_fetch_assoc()
   3) mysqli_query()
   4) mysqli_connect()
   5) mysqli_select_db()

All The Best