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Time : 2 Hours**WEB TECHNOLOGY****Subject Code**

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Total No. of Questions : 5**(Printed Pages : 5)****Maximum Marks : 50**

INSTRUCTIONS : (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Q. No. 1 is based on Database concept.

(iv) Q. No. 2 and Q. No. 3 A, B are based on MYSQL.

(v) Q. No. 3 C, D and Q. No. 4 are based on PHP.

(vi) Q. No. 5 is based on MYSQL and PHP connectivity.

1. (A) Name the term used to define a collection of related files. 1
- (B) What is normalization ? 1
- (C) Answer the following : 4
- (i) Mention any *four* characteristics of a DBMS.
- (ii) Explain entity integrity rule.
- (D) Answer the following (any *one*) : 4
- (i) Classify and explains the different types of DBMS users.
- (ii) Explain briefly entity relationship model of school admission system with a neat E-R diagram.
2. (A) Name the command that changes or modifies data values in a table. 1

- (B) Construct Mysql query for the following : 1
- Table : Employees;
- Fields : Empid, Name, Designation
- To display empid, Name and designation of the employees where the designation is either 'Programmer' or 'Operator'.
- (C) Answer the following : 4
- (i) With an example explain how records are sorted in descending order.
- (ii) Explain the use of group by clause with an example.
- (D) Answer the following (any one) : 4
- (i) Construct Mysql queries for the following :
- Table : Student
- Fields : Roll No, Name, Address, State
- (a) To add a new field 'date of birth' after State field.
- (b) To view total number of records present in the table.
- (c) To change the name of the state from 'Madras' to 'Chennai'.
- (d) To display the names of different states present in the table.
- (ii) Construct Mysql queries for the following :
- Table : Commission_table
- Fields : Sales_id, name, contact, amount of sale, commission
- (a) To display maximum and minimum salary earned by salesman.

- (b) To remove contact field from the table.
- (c) To change name of the table from commission to com_table.
- (d) To display all records where commission earned is more than 5000.
3. (A) Name the function which displays date and time. 1
- (B) Answer the following : 4
- (i) State any *two* differences between view and table.
- (ii) Explain union operator with an example.
- (C) What is the full form of PHP ? 1
- (D) Answer the following : 4
- (i) Explain while loop with an example.
- (ii) With an example explain for each loop.
4. (A) Name the mode which append, open and write to the end of the file or creates a new file if it does not exist. 1
- (B) State any *one* difference between \$_Get() and \$_Post() command. 1
- (C) Answer the following : 4
- (i) Explain the use of file upload command with an example.
- (ii) Explain briefly PHP session variable.
- (D) Answer the following (any *one*) : 4
- (i) Write a PHP code to print total number of vowels in a given sentence.
- (ii) Write a PHP code to print prime numbers between the range of 2 to 50 numbers.

5. (A) Explain with an example the use of `mysql-fetch-array()`. 2
- (B) Explain the following segment of PHP code. 4
- (i) `$sql = Mysql_query ("Delete from stock_table where item_id = 101 and price > 500");`
- (ii) `$result = Mysql_query ("Select * from product_table where price between 1000 and 2000");`
- (C) Answer the following (any one) : 4
- (i) Write a PHP code to calculate interest and total amount on deposits for bank customers.
- Database : Customer
- Table : Bank
- Fields : Custid, name, deposit
- Calculations :
- Interest = Deposit * 6%
- Total Amount = Deposit + Interest
- Print a report in the following format :
- | Cust_id | Name | Deposit | Interest | Total Amount |
|---------|------|---------|----------|--------------|
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- (ii) Write a PHP code to add records to a table in the following format :
- Database : Employee
- Table : Emp_table
- Fields : Empid, Name, Address, City, State

Empid	:	<input type="text"/>
Name	:	<input type="text"/>
Address	:	<input type="text"/>
City	:	<input type="text"/>
State	:	<input type="text"/>
<input type="button" value="ADD RECORD"/>		

Also print a report in the format given below :

Empid	Name	Address	City	State
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