GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED – SEMESTER – V • EXAMINATION – WINTER 2016

Subject Code: 4450602   **Date: 24/10/2016**
Subject Name: Web Development Tools
Time: 02.30 pm to 05.00pm   **Total Marks: 70**
Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain following functions:	**07**
		1. chr()	
		2. strlen()	
		3. abs()	
		4. rand()	
		5. date()	
		6. strstr()	
		7. strrev()	
	(b)	Differentiate following terms:	
		1. mysql_fetch_array() vs mysql_num_rows()	**02**
		2. print() vs echo()	**03**
		3. func_get_arg() vs func_get_args()	**02**

Q.2 **(a)** Database Name: company
Table Name: emp
Perform Following Database Operations:
1. HTML Form.   **01**
2. Insert Record.   **02**
3. Delete Record.   **02**
4. Update Record.   **02**
Note: Create Individual File for Above Database Operation.
Table Structure:

Field Name	Size	Type
Emp_No (primary key)	Number(10)	TextBox
Emp_Name	Varchar2(20)	TextBox
Emp_Gender	Varchar2(10)	RadioButton
Emp_Salary	Number(10)	TextBox
Emp_City	Varchar2(20)	ComboBox

	(b)	What is PHP? Explain Advantages of PHP.	**07**
		OR	
	(b)	What is Function? Explain types of Functions in PHP with Example.	**07**
Q.3	**(a)**	What is Cookie? Explain it with example.	**07**
	(b)	Explain Server Variables in detail.	**07**
		OR	
Q.3	**(a)**	What is Session? Explain it with example.	**07**
	(b)	Explain Conditional and Looping Structure with example.	**07**
Q.4	**(a)**	What is AJAX? How AJAX works? Explain it with example.	**07**
	(b)	What is an Exception? Explain types of Exception in detail with example.	**07**

OR

Q.4 **(a)** What is JQuery? Why JQuery requires? Explain its features with example. **07**

(b) What is PHP Filter? Why to use Filter? Explain types of Filter with example. **07**

Q.5 **(a)** 1. WAP to check entered string contains at least (1 Capital Alphabet, 1 Small **03**
Alphabet, 1 Numeric Value) Character otherwise display error message.

2. What is Inheritance? Explain it with example. **04**

(b) WAP that takes Voting Poll from user and stores the voting detail in text file and **07**
display the same result graphically on webpage as an output using AJAX.

OR

Q.5 **(a)** 1. WAP to Check Digit 0(ZERO) is an integer number or not using PHP Filter. **03**

2. WAP to Draw Pie Chart using GD Functions. **04**

(b) 1. WAP to create a Progress Bar using JQuery. **05**

2. WAP to Check whether entered Web Address is valid or not using PHP Filter. **02**

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