



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCI. & APP.

SIXTH SEMESTER – NOVEMBER 2013

CS 6609/CA 6609 – WEB PROGRAMMING WITH PHP & MYSQL

Date : 08/11/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART - A

Answer ALL Questions:

(10 x 2 = 20 marks)

1. Why is PHP preferred over other web scripting languages?
2. Give three points about a variable in PHP.
3. Using functions in a program is good – Give reasons.
4. Define session_start() and session_destroy() functions.
5. Define Data Independence
6. What are the three levels of database architecture?
7. Give the query to create a table employee with the following fields – id (should be unique), employee name, department, designation, salary, date-of-joining.
8. How can we sort a retrieved data?
9. Write down the syntax and usage of isset() and trim() functions.
10. What is the difference between CONCAT() and CONCAT_WS() functions?

PART - B

Answer ALL Questions:

(5 x 8 = 40 marks)

11. a) Explain about the various operators used to manipulate and compare variables in PHP.
(OR)
b) Discuss about the data types and functions to determine the data type of a variable.
12. a) Discuss about cookies with an example.
(OR)
b) Explain any 5 PHP file functions and write the PHP script for listing all the files in a directory.
13. a) Explain the client-server architecture.
(OR)
b) Write notes on (i) Entity Integrity (ii) Referential Integrity.
14. a) Explain the aggregate functions with an example query for each.
(OR)
b) Discuss about full-text searching of MySQL.
15. a) Explain formatting of query output using date and time functions.
(OR)
b) Discuss about the debugging and diagnostics functions in MySQL.

PART - C

Answer Any TWO Questions:

(2 x 20 = 40 marks)

16. a) Discuss about all the loop structures available in PHP with suitable examples.
b) Explain the following: (i) Creating and modifying an array (iii) Array functions.
17. a) Define Normalization. Explain briefly about 1NF, 2NF, 3NF with an example.
b) Write DDL commands to create the following tables:
Doctor (doctor_id, doctor_name, department, designation)
Patient (Patient_id, Patient_name, admission_date, sickness_detail, Ward_no, bed_no, doctor_id)
- Solve the following queries:
- a. Display the doctors from a particular department..
 - b. Find the name of the patients who were admitted on the same date.
 - c. Find the name and department of the doctor for a given patient_id.
 - d. Display the details of the patients treated by a particular doctor.
 - e. Find the name of the doctor who has the maximum number of patients.
18. a) Explain the steps involved in connecting PHP and MySQL to retrieve records from a table and display them.
b) Explain integrity constraints in detail with example.

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