

Nirma University

Institute of Technology

Semester End Examination (IR), May - 2017

B. Tech. in Computer Engineering / Information Technology, Semester-VI
CE651 LAMP Technologies

Roll /
Exam No.

Supervisor's initial
with date

Time: 3 hours

Max. Marks: 100

- Instructions:
1. Attempt all questions.
 2. Figures to right indicate full marks.
 3. Use section-wise separate answer book.
 4. Draw neat sketches wherever necessary.

SECTION I

Q.1 Answer the following questions. [18]

- A) In PHP script, Which symbol is used as error suppression operator? 1
- B) Single quote is used to specify literal in PHP. True/False? 1
- C) Clarify == and === operator with example. 2
- D) Explain preg_match with its prototype and example. 2
- E) Differentiate between GET and POST method. 2
- F) Explain foreach loop for arrays in PHP 3
- G) Write a simple PHP class with constructor which displays the string: 3
"MyClass has initialized!"
- H) List and explain any four superglobals available in PHP. 4

Q.2 Explain following functions with example: [12]

1. explode()
2. strcasecmp()
3. end()
4. mktime()
5. fseek()
6. header()

Q.3 Answer the following questions. [20]

- A) Differentiate between include_once and require_once with example. 4
- B) Explain mysqli_fetch_assoc() and mysqli_num_rows(). 4
- C) Write a PHP program which takes input from student in the registration 12
form having the following fields:

1. Roll No. 2. Name 3. Gender 4. Date of Birth 5. Email id

If the gender is male, then the content should be displayed in blue color, else it should be displayed in red color. The program should greet morning or afternoon based on the current time. Based on the user's input PHP

code must generate output in following style:

Roll no: _____

Name: _____

Gender: _____

Date of Birth: _____

Email: _____

OR

- C) Write a code to design a web page in PHP which allows user to upload file 12
with following restrictions:

1. Only pdf and jpg file can be uploaded.
2. File size should not exceed 1000KB.
3. Same name file should not be there in folder

If file is successfully uploaded then it should display all details of the file like its name, size and type otherwise it asks to upload again if it does not satisfy above requirements.

SECTION II

Q.4 Answer the following questions.

[18]

- A) Create a PHP associative array called "student". The keys are "Name", "ID", "Address", "Email", and "Phone". The values will be entered by the user in an HTML form. All the fields are mandatory. Assign the values extracted from the form to correspond to the keys in the \$student array. 8
- a. Sort the array by keys.
 - b. Print an array in HTML table.
 - c. Print values only (not keys).
 - d. Print the student's name, e-mail address, and phone number.
- B) Create a class Vehicle which has attributes like VehicleID, ModelNo and Mileage (per liter). Ask user to enter price of fuel and travelling distance from source to destination. Write operations to calculate total cost of travelling. Implement all the attributes and operations for the said class. 10

Q.5 Answer the following questions.

[16]

- A) Write a PHP script with cookies to display the number of times a user has visited a page. 6

OR

- A) Write a PHP code which generates a random password of 8 characters. The password must have at least one number, one special character and one capital letter. 6
- B) Create a HTML form that asks a user to select a destination from a list of radio buttons. The choices are: San Francisco, New York, London, Paris, Honolulu and Tokyo. 6
- Write a PHP script using a switch statement for each city and display a message based on the city selected by the user. i.e. if user selects San Francisco then message to be displayed: "Welcome to San Francisco."

OR

- B) Design an HTML page and develop the PHP script to send email with appropriate subject and message body. 6
- C) Create an HTML form to accept 5 numbers from user. Store the numbers in an array and sort them in descending order. 4

- Q.6 Using PHP and MySQL develop a program to accept product information, which consist of product ID, name, manufacturer and price from web page and store the information in a database. Page should provide the functionality like filtering data based on the manufacturer name and display the search results with proper headings. [16]