Questions	01
Pages	03

Trincomalee Campus, Eastern University, Sri Lanka

Faculty of Applied Science

Department of Computer Science

Bachelor of Computer Science (2016/2017)

Year II Semester I Examination (September 2019)

CO2114: Practical work on CO2124

Answer All Questions   **Time Allowed: Two (02) hours**

Important:
- Create a main folder in your desktop and name it with "Your Index No" (eg: 2016COM50)
- Save answers for the following questions inside the above folder with appropriate file names.

Q1.   Use appropriate PHP Code with MYSQLi Object-Oriented method to answer the following questions.

You can assume the following when answering the questions.
servername = "localhost"
username = "root"
password = " "

(i)   Write a PHP code to check the connection to MYSQL Database. If the connection is successful print a message as "Connection Successful", otherwise print a message as "Connection failed". Save this code as "test_con.php".

[05 Marks]

(ii)   Write appropriate PHP code to create a database called "guestDB".
If the database is created successfully print a message as "Database created successfully", otherwise print a message as "Error creating database". Save this code as "create_db.php".

[05 Marks]

(iii)
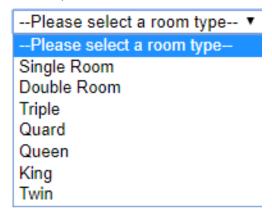
    (a). Create an HTML form like the following.

<div align="right">[10 Marks]</div>

    (b). Your form should contains the following features.

        i.   Four text input fields for Guest Name, Address, E-Mail and Phone No.

<div align="right">[04 Marks]</div>
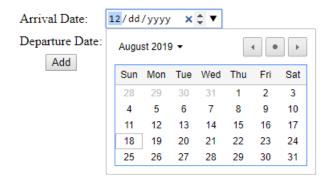
        ii.   A drop-down list for room type with some options as below. (Default selected text should be " Please select a room type")

<div align="right">[08 Marks]</div>

        iii.   Two date input field for arrival and departure so that date can be selected from the pop up calendar.

[08 Marks]

iv. Five buttons such as Add, Clear, Search, Update and Delete. When click, these buttons must work with appropriate functions with PHP post method.

[40 Marks]

(iv) Write suitable PHP code to create a table named "**guests**", with seven columns: "guestname", "address", "email", "phone_no",”room_type”, “arri_date”, ““dept_date”. If the table is created successfully print a message as “Table guest created successfully”, otherwise print a message as “Error creating table”. Save this code as “table.php”.
Use the following information when you create the fields.

Field	Data type	Constrains / Other Conditions
guestname	VARCHAR	Maximum 40 characters
address	VARCHAR	Maximum 60 characters
email	VARCHAR	Maximum 50 characters
phone_no	VARCHAR	Maximum 20 characters
room_type	VARCHAR	Maximum 15 characters
arri_date	TIMESTAMP	-
dept_date	TIMESTAMP	-

[10 Marks]

(v) Write suitable PHP code and insert at least five suitable records to the "guest" table. Save this code as “insert_table.php”.

[05 Marks]

(vi) Backup your database and set the name as “guest.sql”.

[05 Marks]