

**Web Application Development**

**using PHP**

|  |  |  |
| --- | --- | --- |
| **Semester:** 1 |  | **Curriculum Code:** 6747 |
|  |  |  |
| **Duration:** 90 minutes |  | **Total Marks:** 20 |

A picture containing text, clipart

Description automatically generated

Practical Examination Paper

**Make PHP pages to allow Users to manage employees.**

**Question 01: (4 points)**

You are given a database script, execute the script to get the database as shown in below figure:

**Diagram

Description automatically generated**

Write a PHP file that can be added to other PHP files using include or require functions. This file should:

* Make a connection to a MySQL database, and log in with valid credentials. The connection resource should be stored in a variable with an appropriate name. (**1 points**)
* Create a database “exam” if it does not exist. (**1 points**)
* Select the “exam” database and run given script to create table department and employee. (**1 points**)
* If any of these operations cause an error, stop execution and print the error message (**1 points**)

**Question 02: (5 points)**

Create a web page to show all employees.

The page should be displayed as follows and all employees are loaded: ( **4 points**)

Table

Description automatically generated

* When a user clicks to link [Add New] it redirect to page in question 03 (**0.5 point**)
* When a user clicks to link [Update] it redirect to page in question 04 (**0.5 point**)

**Question 03: (6 points)**

Create a web page to allow users adding new employee.

The page should be displayed as follows: (**1 points**)

Graphical user interface, application

Description automatically generated

* Departments are loaded from [Department] table (**2 point**s)
* When a user clicks [Add New] button, if the user enters to all field of new employee information, the system inserts new employee to the database (**2 points**)
* If new employee added to database successful, it immediately redirect to the page in question 02 to show list of all employees (**1 point**)

**Question 04: (5 points)**

Create a web page to allow users update employee information.

The page should be displayed as follows: (**1 points**)

Graphical user interface, text, application

Description automatically generated

* Departments are loaded from [Department] table (**1 point**s)
* When a user changes the employee information and clicks [Update] button, the system update employee information to the database (**2 points**)
* If the information of employee updated to database successful, it immediately redirects to the page in question 02 to show list of all employees (**1 point**)