

**Web Application Development**

**using PHP**

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

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**Practical Examination Paper**

**Make an User Management System using PHP.**

**Question 01: (2 points)**

Make a PHP file named e1-get.php that can make a sum as the below figure:

**Graphical user interface, text, application, email

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This file should:

* Make the sum of a and b when providing both a and b  (**0.5 point**)
* Alert “Please add a=NUMBER&b=NUMBER to the query string" when missing both a and b. (**0.5 point**)
* Alert Please add b=NUMBER to the query string when b is missing. Do the same with a (**0.5 point**)
* Alert Please add b=NUMBER to the query string when b is not a number. Do the same with a (**0.5 point**)

**Question 02: (3 points)**

Make a PHP file named e2-post.php that can make a sum as the below figure (**0.5 point**):

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* When a user inputs both the first number and the second number, then clicks to the button [ + ] it shows the sum as the below figure (**1 point**)

Graphical user interface, text, application

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* Alert when a user inputs not a number as the below figure (**1 point**)

Graphical user interface

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* But when the user clicks the button [ OK ] (of the message box as show on the above figure) the form does not send the data and keep the data in the input as the below figure (**0.5 point**)

Graphical user interface, application, Word

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**Question 03: (5 points)**

Write a PHP file named e3-init.php to:

* 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 point**)
* Create a database “exam” if it does not exist. (**1 point**)
* Select the “exam” database and execute sql strings "create table user\_info(username  varchar(30) primary key, password varchar(40)); INSERT INTO `user\_info` (`username`, `password`) VALUES ('admin', SHA1('123456'));" (**1 point**)
* If any of these operations cause an error, stop execution and print the error message (**1 point**)
* If there is no error, show a message to the user: "database 'exam' and table 'user\_info' with admin account created. Please remember your username is 'admin' and your password is '123456'" as the below figure, and then redirect to e4-login.php (**1 point**)

Graphical user interface, text, application, Word

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**Question 04: (4 points)**

Create a PHP file named e4-login.php for users to login as below figure. (**1 points**)

Graphical user interface, text, application

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* Show errors when user input something wrong as the below figure (**1 point**s)

Graphical user interface, text, application

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* User can switch between Dark theme and Light theme as below figure, when user clicks on the radio button, the theme change immediately  (**1 point**)

Graphical user interface, text, application

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* If the user click [ Submit ] button and login successfully, it immediately redirects to the page e5-manage.php in question 05 to manage users (**1 point**)

**Question 05: (6 points)**

Create a PHP file named e5-manage.php users to manage users, the page will show as below figure if it is redirected from e4-login.php. (**1 point**)

Graphical user interface, text, application

Description automatically generated

* If the user fill Username, Password, and click [ Add User ] button then login successfully, new user will be added to the user list in same page as the below figure (**1 point**)

Table

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* The theme of e5-manage.php page must be changed as admin chose in the e4-login.php page (**1 point**)

Graphical user interface

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* If you close the e5-manage.php page and reopen it, or you open e5-manage.php directly without directing from e4-login.php, you have to check the **Remember me** option of the e4-login.php. If the user chose the **5s** option and the time passing by is still less than 5s since the login time, or the user chose the **Forever** option, you should show the page e5-manage.php. But if the user chose  the **5s** option and the time passing by is more than 5s, user should be redirected to the e4-login.php page (**1 point**)
* Show what cookies you use, capture the screenshot as the below figure, and save it as a file named cookie.png (**1 point**)

Graphical user interface, text, application, email

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* If the user fills the input in the user list with a new username then clicks the [Update] button, the corresponding data on the database should be updated, or when user clicks the [ Remove ] button, the corresponding data on the database should be removed. (**1 point**)