COLLEGE OF INFORMATICS AND VIRTUAL EDUCATION
Department of Computer Science and Engineering
Internet programming and applications II
LAB WORK

Question One

a) Given the following array of numbers

$numbers = array(11,12,13,1, 2, 3, 4, 5,6,7,8,9,10);

Using foreach to loop through the given array and print all even numbers.

b) Given the following xml file, show how you can display the xml data in a web page using php.

```
<?xml version = "1.0" encoding = "utf-8"?>
<collegedata>
   <department category = "CSE">
      <subjects lang = "en">Java</subjects>
      <name>Zamaradi</name>
      <age>23</age>
      <marks>90</marks>
      <address>240 Mwanza</address>
   </department>
   <department category = "ETE">
      <subjects lang = "en">Wave Propagation</subjects>
      <name>Seleman</name>
      <age>26</age>
      <marks>69</marks>
       <address>890 Tanga</address>
   </department>
   <department category = "IST">
      <subjects lang = "en">Introduction to IT</subjects>
      <name>Otimbi</name>
      <age>25</age>
      <marks>78</marks>
       <address>65 Arusha</address>
   </department>

</collegedata>
```

Question Two

(a) Write a PHP script to declare a class named Fruit consisting of two properties (name and color) and two methods set_name() and get_name() for setting and getting the name property. Furthermore, add a class constructor that can be able to initialize the two properties during class instantiation.

(b) Write a PHP script to create a mango object of type Fruit with yellow color. Use both constructor and set_name methods. Eventually, use get_name to display the name of the fruit.

(c) Write a PHP script to create a subclass Mango that inherit Fruit. Thereafter, create an object of class Mango to override set_name and gate_name methods to set fruit name and retrieve it.

Question Three

Write a PHP script that receives POST HTTP request with username and password data and save to a database. The data should be stored in variables username and password respectively. Thereafter, create an instance to connect to the MYSQL database named “users_db” with table user_tbl. The table consist of three columns id,username, and password. The database is hosted at 192.168.50.34, username “admin” and password “123_#45&Dxt”.