



KABARAK UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN CAMPUS

FIRST SEMESTER 2019/2020 ACADEMIC YEAR

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN I.T

COMP 310/ INTE 221 WEB APPLICATION PROGRAMMING STREAM:

STREAM Y3S1, Y2S2

TIME: 11:00-1:00PM

EXAMINATION SESSION: SEP-DEC2019

DATE: 17/12/2019

VENUE: AUDITORIUM

COPIES: 200

INSTRUCTIONS TO CANDIDATES

- a) Answer Question 1 and any other two questions in the answer booklet provided.
- b) Do not write on your question papers. All rough work should be done in your answer booklet.
- c) Clearly indicate which question you are answering.
- d) Write neatly and legibly.
- e) Edit your work for language and grammar errors.
- f) Follow all the instructions in the answer booklet

*As members of Kabarak University family, we purpose at all times and in all places, to set apart in one's heart,
Jesus as Lord. (1 Peter 3:15)*



Kabarak University is ISO 9001:2015 Certified

Page 1 of 5

SECTION A (COMPULSORY): 30 MARKS

- a) Using examples explain HTML lists (6marks)
- b) Using do while and for loop statements write a program to add odd numbers within a given range (6marks)
- c) Explain the following terms as used in web programming
- i. Front end (2marks)
 - ii. Back end (2marks)
 - iii. Web server (2marks)
- d) Create a PHP code to execute the following login form (6marks)

User-Id	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

- e) Write the HTML code to create the following frame (6 marks)

QUESTION TWO (20MARKS)

- a) The table below is sample data of customer details to be entered into a customer table in a customer database. Use the table to answer the following questions

Customer		
CNumber	name	age
01	Joash	27
02	Abigail	22
03	Emmanuel	23

- i) Write a PHP code that creates the database and can also give appropriate message in case the database cannot be created (6marks)
 - ii) Write the general syntax for creating a MySQL table (6marks)
 - iii) Write a PHP MySQL code that inserts all the three records to the table (6marks)
- b) What is Xampp? (2marks)

QUESTION THREE (20MARKS)

- a) Using select tag, write an html program for the following drop down list (8marks)

Select country:

kenya
 Uganda
 Tanzania
 Ethiopia

- b) An HTML form facilitates the user to enter data that is to be sent to the server for processing such as name, email address, password, phone number, etc. Explain the following form syntax (6marks)

```
<form action="server url" method="get|post">
//input controls e.g. textfield, textarea, radiobutton, button
</form>
```

- c) Explain the following code fragment line by line (6marks)

```
<style>
table, th, td {
    border: 1px solid Cyan;
    border-collapse: collapse;
}
th, td {
    padding: 10px;
}
```

QUESTION FOUR (20 MARKS)

- a) List and explain any Four web application protocols (6marks)
- b) Using the example of a code, explain the function of the following controls
- i. Textarea (2marks)
 - ii. Radio button (2marks)
 - iii. check box (2marks)
 - iv. Date (2marks)
- c) Write java script code to validate the following (i) Empty field (ii) Alphabet field (6 marks)

QUESTION FIVE (20 MARKS)

- a) Write an embedded CSS html program that will produce the following table (5marks)

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

- b) List and explain six advantages of using PHP language (6marks)
- c) Describe HTML Layout (4marks)
- d) Write a JavaScript program to validate an Email (5marks)

*As members of Kabarak University family, we purpose at all times and in all places, to set apart in one's heart,
Jesus as Lord. (1 Peter 3:15)*



Kabarak University is ISO 9001:2015 Certified