UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
RECESS EXAMINATIONS FOR ACADEMIC YEAR 2021/2022

DEPARTMENT: ICT

SEMESTER: ONE

PROGRAMME(S): DIPLOMA IN INFORMATION TECHNOLOGY FOR SCIENCE (DITS)
DIPLOMA IN INFORMATION TECHNOLOGY FOR BUSINESS (DITB)

YEAR OF STUDY: TWO

COURSE: WEBSITE DEVELOPMENT II

COURSE CODE : IT214

DATE: TUESDAY 4TH, OCTOBER 2022

TIME: 2:00 PM – 5:00 PM

DURATION: 3 HOURS

INSTRUCTIONS:

(i) This paper contains two Sections: A (40 marks) & B (60 marks).

(ii) Attempt ALL questions in Section A, and ONLY THREE questions in Section B.

(iii) All questions in Section B carry equal marks.

(iv) Credit will be given for use of relevant examples and illustrations.

(v) Begin each number in Section B on a new page of the answer sheet.

(vi) DO NOT write on this question paper.

SECTION A (40 MARKS)

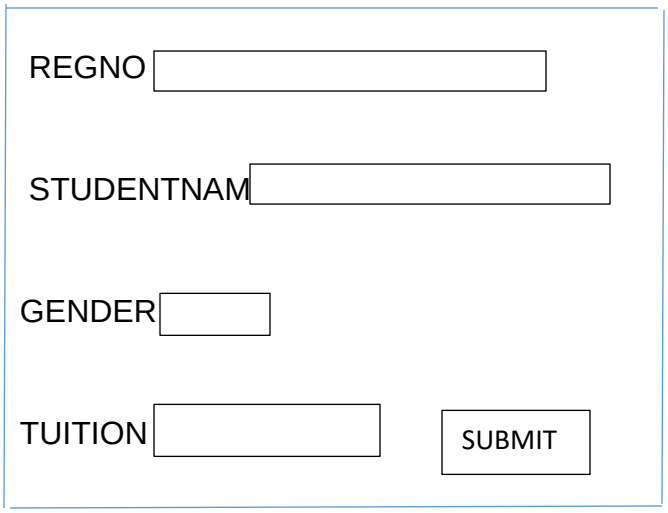
Attempt **ALL** the questions in this Section

1. Explain what CSS is and what it is used for. **(2 marks)**
2. Provide a simple illustration how CSS is used. **(4 marks)**
3. What is the relationship between CSS and HTML? **(4 marks)**
4. Illustrate CSS syntax by showing the following:
   Selector and declaration (property and value) **(4 marks)**
5. CSS Selectors are divided into five categories. Briefly explain these selectors. **(5 marks)**
6. Using HTML codes, illustrate the following selectors: **(10 marks)**
   i) CSS Element Selector
   ii) CSS id Selector
   iii) CSS Class Selector
   iv) CSS Universal Selector
   v) CSS Grouping Selector
7. Using illustrations, explain the three different ways of inserting CSS. **(6 marks)**
8. Using illustrations, explain the cascading order in CSS. **(5 marks)**

SECTION B (60 MARKS)

Attempt **ONLY THREE** Questions in this Section

Question 1



a) Write down a script that will create the above form **(10 marks)**
b) Write down a script that will submit the data captured on the above form into an appropriate Database **(10 marks)**

Question 2

Using question 1 above, Write down a script that will retrieve all the data from the database and display details on a web Page **(20 marks)**

Question 3

List down and write brief notes on different types of Database Management Systems one can use to create customized Databases **(20 marks)**

Question 4

You have been assigned the job of creating a database driven hospital portal/website. One of the major tasks is to create the back end of the portal, with the following database schema:

PATIENTS table
WARDS table
NURSES table
DRUGS table
DIAGNOSIS table
MANUFACTURES (of drugs) table.

The above tables should be normalized, meaning they should be related using primary key Foreign key relationships.

Write down SQL codes you would employ to create the database schema **(20 marks)**

Question 5

Using question 4 above,

(a) Write down SQL codes you would employ to capture data into the tables **(10 marks)**

(b) Write down SQL code you would employ to extract data from all the tables at once. **(10 marks)**