**UGANDA MARTYRS UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION SYSTEM**

**END OF SEMESTER FINAL ASESSMENT**

**SEMESTER I, 201920**

**FIRST YEAR EXAMINATION FOR BACHELOR OF SCIENCE IN:**

**Information Technology, Computer Science, General and Education**

**WEB DEVELOPMENT TECHNOLOGIES (PROJECT)**

DATE:

TIME:

DURATION: 2 WEEKS

***Instructions:***

*- This is a take home exam that will be presented on the date indicated on the timetable*

*- Website should have a minimum of 6 pages*

*-The web pages should be linked to each other*

*- Whatever is included in the webpage should be knowledgeable to the student*

*- Use a text editor of your choice.*

The Exam aims at engaging the student in designing and implementing a website using the concepts and principles of website design. Each Student will present their website and hand in a CD of their work after presentation.

**Question 1.**

1. **Using website development technologies like HTML ,CSS and JavaScript and others,** **Think of an Organisation that would need a website**. The idea should be communicated to the instructor to eliminate website duplication within the class. Develop a Website that will have aspects like.

**SECTION 1 use the following html tags where applicable (add others)**

* Horizontal rule with its attributes
* Font tag with its respective attributes.
* The use of Heading tags ( H1 to H6)
* List Items.
* Ordered Lists (a,I, i)
* Unordered lists ( square , circle,disc) .
* Placing images on a webpage. resizing the image and aligning the image appropriately.
* Use of Tables in a webpage. Table features like Width, height,cellspacing ,cellpadding,colspan and rowspan must be made use of.
* Webpage Linkage. ( Visited, Unvisited and Active Links)

**SECTION 2**

It should also have a modern-looking and beautiful sign-up form..

It will use JavaScript to validate the fields

Use JavaScript events

* The essence of this section is to capture data from users. i.e. the use of Forms: Textfield, Textarea, Radiobuttons, Checkboxes , dropdown menus , buttons and any other form controls .

It should have a responsive navigation bar

**SECTION 3**

* Application of HTML, CSS and Javascript in the WebPages.
* Web Design Concepts : Graphics, Navigation, Usability aspects .
* **NB: Any other additional features relevant in website development will give a plus to the student as long as they can defend/explain the concept .**