THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

AUGUST – DECEMBER 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER AND LIBRARY SCIENCE

REGULAR PROGRAMME

DIT 007: INTRODUCTION TO WEB DESIGN AND DEVELOPMENT

Date: DECEMBER 2018	Duration: 2 Hours
INSTRUCTIONS: Answer Question ONE and any other TWO Questions	

Q1.   a)   i)   What is the difference between Internet and World Wide Web?
(3 Marks)

ii)   Explain the three basic components of a search engine **(3 Marks)**

iii)   How does HTTP work?   **(4 Marks)**

b)   i)   What are the four Email Protection Measures?   **(4 Marks)**

ii)   With the help of a diagram illustrate the structure of Uniform Resource Locators   **(4 Marks)**

iii)   Explain the three aspects of data security   **(3 Marks)**

c)   i)   What is a Protocol?   **(2 Marks)**

ii)   List the four delivery methods of E-Learning   **(4 Marks)**

iii)   Why is bandwidth important?   **(3 Marks)**

ISO 9001:2008 Certified by the Kenya Bureau of Standards

Q2. a)   Explain any three Internet Protocol based technologies?   **(6 Marks)**

     b)   Describe the two types of web pages   **(4 Marks)**

     c)   Explain any five Internet accesses   **(10 Marks)**

Q3. a)   What are the seven layers of Open Systems Interconnection Reference Model?   **(7 Marks)**

     b)   Explain four differences between HTTP and FTP   **(7 Marks)**

     c)   Describe the three categories of domain name space   **(6Marks)**

Q4. a)   Describe four criteria for evaluation of web resources   **(8 Marks)**

     b)   Explain the three Internet-based technologies   **(6 Marks)**

     c)   Explain three types of web sites   **(6 Marks)**

Q5. a)   How does a web browser work?   **(6 Marks)**

     b)   Explain the three uses of Listserv   **(6 Marks)**

     c)   Explain four Tech-Driven Trends that will transform commerce **(8 Marks)**

END