



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

**JANUARY – APRIL 2019 TRIMESTER**

**FACULTY OF SCIENCE**

**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE**

**REGULAR PROGRAMME**

**LIS 112: INTRODUCTION TO INTERNET TECHNOLOGY**

**Date: APRIL 2019**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions**

- Q1. a) Explain the difference between the Internet and the World Wide Web. **(5 Marks)**
- b) Explain the function of a router in a computer network. **(5 Marks)**
- c) Discuss the advantages of social networking sites for an information sciences student. **(10 Marks)**
- d) E-mail has proved to be powerful and reliable medium of communication. Explain the benefits of using email for communication. **(10 Marks)**
- Q2. a) Explore how internet technology has revolutionized business and commerce sector. **(10 Marks)**
- b) Explain key characteristics of Web 2.0. **(10 Marks)**
- Q3. a) Using relevant examples explain the advantages of using electronic resources for academic purposes. **(10 Marks)**
- b) Discuss some of the challenges of using electronic information materials. **(10 Marks)**
- Q4. a) Briefly analyze the functions of Transmission Control Protocol (TCP) and Internet Protocol (IP) in a network. **(10 Marks)**

b) The internet has brought about both opportunities and challenges, explain.  
(10 marks)

Q5. Write a brief history of the internet noting the major progress over the years.  
(20 Marks)

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