



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

JANUARY – APRIL 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

EVENING PROGRAMME

LIS 112: INTRODUCTION TO INTERNET TECHNOLOGY

Date: APRIL 2018

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

- Q1. a) What are the major factors that search engines consider in relevance ranking for a web page/document? **(5Marks)**
- b) Write the following acronyms in full **(3 Marks)**
- i) **HTTP**
 - ii) **FTP**
 - iii) **SMTP**
- c) What is an URL ? **(3Marks)**
- d) Apart from Twitter name other FOUR social networking tools which can be used in provision of information services in libraries **(2 Marks)**
- e) How can a university library use Twitter to promote its services **(8Marks)**
- f) Briefly explain why directories are different from search engines? **(6Marks)**
- g) In relation to search engines what is the work of “spiders”? **(3Marks)**
- Q2. a) List **THREE** types of Boolean logic operators and briefly explain how each help in refining a search in a retrieval information system **(9 Marks)**

- b) Using relevant examples explain **THREE** tools used in searching the internet **(6 Marks)**
- c) What is the difference between Google and Yahoo search engines **(5Marks)**
- Q3. a) Briefly describe the **THREE** components of an internet search engine **(6Marks)**
- b) What is a HTML? **(2Marks)**
- c) Explain briefly what is the work of HTML **(4 Marks)**
- d) What is a website? **(3Marks)**
- e) Using a library of your choice write down the purpose for creating a web site for the library and information service **(5 Marks)**
- Q4. a) Discuss any **FIVE** criteria you would use to evaluate a search engine as a reference librarian. **(10Marks)**
- b) What are the challenges associated with the adoption of social networking tools in library work **(10 Marks)**
- Q5. a) Name and explain two types of indexing methods used by various search engines **(4 Marks)**
- b) As a reference librarian in a university library outline the reasons why you would prefer to use social networking sites in your work **(6 marks)**
- c) You are contracted by a university library to develop their library website, briefly explain the information you would include in their home page **(6 Marks)**
- d) List **TWO** tools used in evaluating the quality of internet resources and explain how they work **(4Marks)**

END