



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

**MAY – JULY 2016 TRIMESTER**

**FACULTY OF SCIENCE**

**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE**

**EVENING PROGRAMME**

**LIS 409: INFORMATION ACCESS IN SCIENCE AND TECHNOLOGY**

**Date: JULY 2016**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and any other TWO Questions**

- Q1 a) Briefly explain of the concepts of “Science and technology” **(4 marks)**  
b) Discuss the process of the “scientific method” in solving problems **(8 marks)**  
c) Using examples distinguish between “life and physical sciences” **(4 marks)**  
d) Discuss five key characteristics of science and technology information services **(10 marks)**  
e) Briefly explain the advantages of consortium approach in provision of information in science and technology **(4 marks)**
- Q2. Discuss the role played by science and technology in development **(20 marks)**
- Q3. a) Briefly discuss the role of the National Council for Science, Technology and Innovations **(5 marks)**  
b) Explain the proposals you would make towards promoting science and technology in Kenya **(5 marks)**  
c) Using examples in the process you would undertake to retrieve information from an electronic database **(10 marks)**
- Q4. a) Discuss four barriers to accessing information in science and technology in developing countries **(8 marks)**

- b) Identify four e-databases that you would refer in retrieval of information in science and technology **(4 marks)**
- c) Define the “Boolean principle” and briefly explain how it can assist in the retrieval of literature **(4 marks)**
- d) Identify four stakeholders of science and technology and indicate why you would recommend them to a patron seeking information in science and technology **(4 marks)**

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