



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY**

UNIVERSITY EXAMINATION 2012/2013

**1ST YEAR 2ND SEMESTER EXAMINATION FOR THE DEGREE
OF MSC IN INFORMATION TECHNOLOGY MANAGEMENT**

KISUMU LEARNING CENTRE

COURSE CODE: ICT 5122

**TITLE: BUSINESS PROCESSES ANALYSIS AND INFORMATION SYSTEMS
AUDITING**

DATE: 18/4/2013

TIME: 9.00-12.00NOON

DURATION: 3 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

Question 1: 20marks

- a) What is business process analysis and information system audit 5marks
- b) Explain the Importance of business Information System controls in contemporary Information Technology governance 15marks

Question 2: 20marks

- a) Discuss the necessity of Computer-Assisted Audit Tools and Techniques in information systems auditing 10marks
- b) Explain any two methods of object-oriented analysis techniques used for data modeling 8marks
- c) What is log trails 2marks

Question 3: 20marks

- a) Conducting Information System audits logistics through the IS audit life cycle is critical for business information system audit Discuss 10marks
- b) Using a diagram describe the Components of business Process Architecture 6marks
- c) List any four reasons why CAATTs are useful 4marks

Question 4: marks 20

- a) Explain the Information System control frameworks 5marks
- b) What is information system auditing 5marks
- c) Explain the Steps necessary in carrying out Batch Controls in information system audit 6marks
- d) Explain integrated test facility(ITF) as a computer assisted audit tools and technique 4marks

Question 5: 20marks

- a) In the recent past the Kenyan election was allegedly bungled and the use of the BVR and the national tallying center failed. Discuss the techniques that you would be carried to perform an audit Trail Controls. 10marks
- b) Explain the following types of error in the input control 6marks
 - i. Transcription errors
 - ii. Single transposition errors
 - iii. Multiple transposition errors
- c) Explain why information systems audit are so essential in business today 4marks