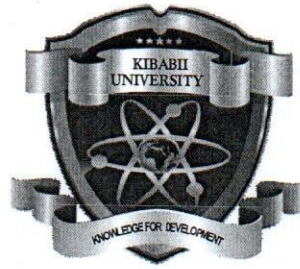


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*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**(KIBU)**

**UNIVERSITY EXAMINATIONS  
2017/2018 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS  
YEAR THREE SEMESTER ONE  
EXAMINATIONS**

**FOR THE DEGREE OF  
BACHELORS OF SCIENCE  
(INFORMATION TECHNOLOGY)**

**COURSE CODE: BIT 412**

**COURSE TITLE: INFORMATION SYSTEMS AUDIT  
SUPPLEMENTARY/SPECIAL PAPER**

**DATE: 19/10/2018      TIME: 3.00 p.m - 5.00 p.m**

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**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO**

**QUESTION ONE (COMPULSORY) [30 MARKS]**

- a. Define the following terms. [2 Marks]  
(i) Audit  
(ii) Information Systems Audit [2 Marks]
- b. Explain the purpose of IT audit. [2 Marks]
- c. Goodman and Lawless state that there are three systematic approaches to carrying out IT audit. Briefly explain these approaches. [6 Marks]
- d. Describe the following categories of IT audits. [10 Marks]  
(i) System and applications  
(ii) Information processing facilities  
(iii) Systems development  
(iv) Management of IT and enterprise  
(v) Client/server, intranet and extranet
- e. Bungoma Teachers Sacco has outsourced the expertise of a group of IT auditors to audit their Information systems. Identify the steps the team would follow to carry out the audit process. [10 Marks]

**QUESTION TWO [20 MARKS]**

- a. When auditing logical security, the auditor should investigate what security controls are in place and how they work. Explain any three key points in auditing logical security. [6 Marks]
- b. Network security is achieved by various tools. Other than **encryption** describe any three such tools. [6 Marks]
- c. Describe the basic steps in performing the Information Systems Audit Process. [8 Marks]

**QUESTION THREE [20 MARKS]**

- a. Define computer forensic [1 Mark]
- b. Identify any five objectives of auditing. [5 Marks]
- c. Distinguish between risk and threat. [2 Marks]
- d. Describe any four types of backups. [8 Marks]
- e. Audit trail is an inevitable tool in network security. Discuss. [4 Marks]

**QUESTION FOUR [20 MARKS]**

- a. Identify three major techniques of committing cyber frauds [3 Marks]
- b. Distinguish between financial audit and IT audit. [2 Marks]
- c. Describe any four areas that IT audit should cover. [8 Marks]
- d. Explain the roles of an IS auditor. [4 Marks]
- e. "Information Systems Audit is an ongoing process". Discuss. [3 Marks]

**QUESTION FIVE [20 MARKS]**

- a. Identify any four ways in which a hacker can get access into an information system. [4 Marks]
- b. Describe the OBASHI methodology. [2 Marks]
- c. Describe the six layers of the OBASHI framework. [12 Marks]
- d. Explain the benefit of using biometric systems as a method of identification. [2 Marks]