

KIBABII UNIVERSITY COLLEGE

(constituent college of MMUST)

UNIVERSITY EXAMINATIONS

2013/2014 ACADEMIC YEAR

First YEAR Second SEMESTER EXAMINATIONS

Supplementary

FOR THE DEGREE

OF

Master of Science In Information Technology

COURSE CODE: MIT 822

COURSE TITLE: Information Security Management

DATE:

TIME: 3 Hours

INSTRUCTIONS

- Answer **QUESTION ONE** and attempt **ANY OTHER TWO** questions from the following five questions

Question one (20 marks)

- (a) Explain what disaster recovery is 2 marks
- (b) You have been hired as a data recovery consultant company discuss how you could
- (i) Identify the critical Data
 - (ii) Develop a back up plan
 - (iii) Implement the disaster recovery plan 18 marks

Question two (20 marks)

- (a) Explain the classification of controls in an Audit environment 4 marks
- (b) Suggest some criteria for deciding on an appropriate audit methodology and using this criteria suggest with reasons when either of two audit methodology is appropriate 8 marks
- (c) Discuss how you could carry out an audit for operation and maintenance 8 marks

Question three(20 marks)

You have been hired as consultant by Kibabii University college to develop an ICT policy , suggest

- (i) how you could go about developing the policy
- (ii) Key Components of policy and for each component suggest hypothetical policies

20 marks

Question Four (20 marks)

Discuss the key aspect of a security architecture

Question Five (20 marks)

- (a) It has been suggested that we require a different approach to security management other than the traditional approach. Discuss 10 marks
- (b) Physical control are a waste of time in modern era , discuss 10 marks