



TECHNICAL UNIVERISTRY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR DEGREE IN:
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(BSIT 11M – Y4 S2)

BIT 2313: PROFESSIONAL ISSUES IN INFORMATION TECHNOLOGY

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2014

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Attempt question **ONE (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Define the following terms:

- (i) Law
- (ii) Gross Domestic Product
- (iii) Free Speech Information (IT)
- (iv) Defamation in IT

(4 marks)

b) Differentiate the following terms:

- (i) Common law an civil law
- (ii) Piracy and copyright
- (iii) Incitement of pank and incitement of crime
- (iv) Sedition and obscene speech

(8 marks)

c) Explain any **SIX** good ethics that is expected of an IT employee of a computing

(6 marks)

d) With list any TWO it professional ethics body. **(2 marks)**

Question Two

a) Explain the reasons why IT professionals need licensing **(8 marks)**

b) State and explain the common ethical issues that face IT users **(8 marks)**

c) Explain any TWO key tenants codes that provide guidance of IT professionals **(4 marks)**

Question Three

a) Explain in detail the most common types of computer security attacks **(6 marks)**

b) Briefly explain any FOUR trade off's and ethical issues with the safeguarding of data and information systems **(8 marks)**

c) Explain the key ele assurance **(6 marks)**

Question Four

a) You are an IT professional working in a software company. Explain various ways on how you can reduce the negative influence of the digital divide **(10 marks)**

b) Explain the ethical issues that software manufactures face in making tradeoffs between project schedules, project costs and software quality. **(10 marks)**

Question Five

a) Explain any THREE ways that the internet have challenges in the areas of freedom of expression **(6 marks)**

b) Explain the TWO forms of data encryption in detail of used in security. **(4 marks)**

c) Explain TWO strengths and THREE limitations of using copyright, patents and trade secrete laws to protect intellectual property? **(10 marks)**