THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(BSC.IT S10)

BIT 2313: PROFESSIONAL ISSUES IN INFORMATION TECHNOLOGY

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2012
TIME: 2 HOURS

Question One (Compulsory)

a) Explain the following Laws:
   (i) Criminal Law
   (ii) Civil Law
   (iii) Common Law   **(3 marks)**

b) What determines the need for a written contract?   **(4 marks)**
c) Outline the computer Misuse Act 1990 (3)   **(3 marks)**
d) Outline the Key Privacy and Anonymity Issues   **(4 marks)**
e) Outline the Data Protection Act.   **(3 marks)**
f) Explain the term Deskilling.   **(2 marks)**

g) Define the term computer crime (2 marks)

h) Outline the problems with codes of conduct (3 marks)

i) Prosecutions under the Computer Misuse Act are rate for a number of reasons, state any **FOUR** reasons. (4 marks)

j) Explain the concept of "Occupational Safety Health" (2 marks)

Question Two

a) (i) Explain the **TWO** categories of intellectual property rights.
   (ii) Discuss the core reasons for intellectual rights protection. (8 marks)

b) (i) Discuss the **THREE** legal regimes on protection of copyright and related rights.
   - International Laws
   - Regional Laws
   - National Laws

   (ii) Discuss the **THREE** major impacts of privacy. (12 marks)

Question Three

The joint IEEE-CS/ACM Code of Ethics and Professional Practice is built on among others the following 8 Principles namely:

   (i)   Public Interest
   (ii)   Client and Employer
   (iii)   Product
   (iv)   Judgement
   (v)   Management
   (vi)   Profession
   (vii)   Self

   Discuss each of the above principles. (20 marks)

Question Four

a) With a suitable example, discuss how bugs are born in a software system. (10 marks)

b) Discuss the concept of Risk Assessment and Management (10 marks)

Question Five

a) Describe the following key privacy and Anonymity issues
   - Government electronic surveillancy
   - Identify theft
   - Customer profiling
   - Workplace monitoring (12 marks)

b) Describe the **FOUR** types of hazards that can affect you in the workplace. (8 marks)