TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR DEGREE IN:
BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY
(BTIT 12J –Y3 S1)

EIT 4301: ICT PROFESSIONAL ETHICS

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2014
TIME: 2 HOURS

Question One (Compulsory)

a) Explain the following terms:
    (i) Computing ethics
    (ii) Computer crime
    (iii) Ergonomics
    (iv) Computer contracts
    (v) Intellectual property   **(12 marks)**

b) Distinguish between the following terms:
    (i) "Open Source Software" and "Proprietary software"
    (ii) "Code of Ethics" and "Code of Practice   **(8 marks)**

c) Explain FIVE functions of an Ethical code   **(10 marks)**

Question Two

a) Explain TWO similarities and any FOUR differences between ethics and laws   **(10 marks)**

b) Explain the following types of crimes:
   (i) Fraud
   (ii) Hacking
   (iii) Denial of services   **(6 marks)**

c) The use of computers at the workplace has raised ethical and social issues. Critically explain:
   (i) Surveillance of employee
   (ii) Health issues caused   **(2 marks)**

d) Explain any TWO requirements for a computer professional   **(2 marks)**

Question Three

a) Explain the following concepts as used in Intellectual Property Rights:
   (i) Copyright
   (ii) Trademarks
   (iii) Patent   **(6 marks)**

b) Information technologies have created new opportunities for criminal behavior and mischief. Describe any FOUR key technological trends that raise ethical issues.   **(8 marks)**

c) Explain any SIX categories of computer misuse identifies by Scottish Law (1987)

                                                                                           (6 marks)

Question Four

a) Describe the following concepts regarding contract:
   (i) Breach of contract
   (ii) Software contract
   (iii) Breach of warrant
   (iv) License agreement
   (v) Escrow   **(10 marks)**

b) You have been appointed by your organization to negotiate a contract with a software developer, identify the main clauses required for bespoke code   **(10 marks)**

Question Five

a) As a professional body, the British Computer Society (BSC) has the responsibility to set rules and professional standards to direct the behavior of its members. In the context of this statement:
   (i) Describe the purpose of BCS code of conduct
   (ii) Describe the following sections of the code   **(6 marks)**
      - Public interest
      - Professional competence and integrity

- Duty to Relevant Authority

b) Explain any TWO formal dimensions of the information age.   **(2 marks)**