



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN INFORMATION
TECHNOLOGY**

CITY CAMPUS - REGULAR

CIT 406: SOCIAL AND PROFESSIONAL ISSUES IN IT

Date: 28th July, 2017

Time: 5.30 - 8.30 pm

INSTRUCTIONS:

- Answer ALL question in SECTION A and any other TWO from SECTION B
- Write your registration number on all sheets of the answer book used.
- Use a NEW PAGE FOR EVERY QUESTION attempted, and indicate number on the space provided on the page of the answer sheet.
- Fasten together all loose answer sheets used.
- No mobile phones in the examination room.

SECTION A: ANSWER ALL QUESTIONS

Question one (30 Marks)

a) Explain the meaning of the following terms/phrases **(10 Marks)**

- i) Ethics
 - ii) SpyWare
 - iii) Teleworking
 - iv) Censorship
 - v) Globalization
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b) Explain four ways that can be used to Guard against copyright infringement **(8 Marks)**

c) State and briefly any six principles that software engineers shall adhere to when performing their duties according to software engineering code of ethics and professional practice **(6 Marks)**

d) Identify and briefly explain four factors considered by courts to determine fair use of copyrighted work according to the Doctrine of Fair Use **(6 marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

Question Two (20 marks)

Discuss the impact of information technology (IT) on organizations, individuals at work, and societies

(20 marks)

Question Three (20 marks)

- a) Privacy is defined as the ability of an individual or group to seclude themselves or information about themselves and thereby reveal themselves selectively. Discuss briefly how the following new technologies pose privacy threats **(10 marks)**

- i) Email
- ii) GPS (Global Positioning System)
- iii) Public databases
- iv) Social sites
- v) Cookies

- b) State and briefly explain four forms of censorship **(6 marks)**

- c) Explain any four characteristics of the internet that makes censorship more difficult **(4 marks)**

Question Four (20 marks)

- a) Discuss how teleworking affect the organizations and individual employees **(10 marks)**

- b) Discuss the effects of IT on work and wealth creation as viewed from globalization perspectives **(10 marks)**

Question Five (20 marks)

- a) A social contract for the information age must deal with several key social tensions that are peculiar to the use of information. State and briefly any five of these tensions **(10 marks)**

- b) Discuss four ways that can be used to Protect Intellectual Property **(10 marks)**