

PAN AFRICA CHRISTIAN UNIVERSITY

BACHELORS OF INFORMATION COMMUNICATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: BSIT 403

CAMPUS: ROYSAMBU

COURSE TITLE: PROFESSIONAL ETHICS IN IT

EXAM DATE: FRIDAY , DATE (DDTH MONTH YEAR)

TIME: START HOUR – END 08:00-11:00 HRS

INSTRUCTIONS

- This exam carry a total of SIX Questions of [10 Marks Each]
- Section One (I) is compulsory.
- Answer any 3(Three) Questions from Section Two (II)
- Read all questions carefully before attempting.

Section One (I) 10 Marks.

Question One - Compulsory:

- a) Discuss any TWO reasons why the usage of computer and Information Technology creates ethical issues [4Marks]
- b) The main project team is able to use software configuration management tool. A joint copyright exists between the Main Campus and the project team involved in its development. In the course of his research duties on the main Project, Peter has access to the "SCM System". After Peter spent three days on his own time studying the tool thoroughly he came to the conclusion that he could produce a new package that would be faster , have greater capacity and offer additional features . He brought the proposed system the notice of the Applications Development Manager of ABZ Computing Services , Matthew and showed Matthew a copy of the source code of the existing system and his specifications for the new and improved product. After confirming that one person would be adequate to carry out the project, Peter suggested that Matthew goes ahead with the project immediately. So during his part-time employment with ABZ Computing services , Matthew went ahead and developed the new product, meeting the higher performance and new feature capabilities that he had envisioned but for ABZ Company. Resolve this situation using the steps in ethical analysis [5 Marks]
- c) Outline any Two of the major types of Ethical Theories that affects Computers and Society [1 Mark]
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Section Two Answer any 3 questions

QUESTION TWO [10 marks]

- a) When Computer professionals take on jobs they may get into relationships with different stakeholders. For each of the following describe the ethical parameters the profession must observe. [8 Marks]

- i. employer
- ii. a client,
- iii. the public and
- iv. co-professional.

b) Explain the provision of ACM code of ethics and Professional conduct **[2 marks]**

QUESTION THREE 10 Marks:

- a) Using an example differentiate between Morals , Ethics and laws as applied Information Technology **[6 Marks]**
- b) Identify any FOUR characteristics that distinguishes a professional from other kinds of workers **[4 Marks]**

QUESTION FOUR 10 Marks:

- a) Discuss the key tenets of four different codes of ethics that provide guidance for IT Professionals **[8 Marks]**
- b) Describe any FOUR health related issues in Information Technology **[2 Marks]**

QUESTION FIVE 10 Marks:

Gameplay is a small computer games company started by a group of ten University computing graduates . Gamaplay has devised a company logo that consists of the letter GP in bright red,on a pale blue circular background. Gameplay has just developed its first computer game, a science fiction-based game "sonic attack"

- a) Discuss how Gameplay could protect its company logo from misuse by other companies or individuals **[8 Marks]**

- b) Explain what patent is in the context of computer hardware [2 Marks]

QUESTION SIX 10 Marks:

- a) Describe any THREE ethical issues raised by the government creating massive databases to collect personal data on individuals and profile them
[6 Marks]

- b) Outline the provisions of the iee code of ethics
[4 Marks]

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