

CMP1102-Computer Engineering Ethics

Continuous Assessment Test I

Instructions: Attempt all questions

Exam duration: 1 hour

1. a) Explain the purpose of the code of ethics and state three (3) code of ethics that apply to computer engineers.
b) What is the difference between a honeypot and an intrusion prevention system (IPS)? What is the main significance of the honeypot?
c) Commenting and documenting software is widely accepted as a good practice, do you agree or disagree with this practice. Support your answer.
2. a) Security incidents can take any form, what is the main difference between a virus and a logic bomb. The virus on the other hand can be broken down into three main parts, name these parts.
b) **Mr. Solo** works as a software developer at **Techdev Limited**, a software development company. After developing a software for **Techdev Limited**, **Mr. Solo** gave the copy of the software to his friend **Mr. Boro** for free. **Mr. Boro** also decided to lease the software to **Ms. Nene** for 20 years on a certain agreed fee.
 - i. Is Mr. Solo's action ethical? Support your answer
 - ii. Is Mr. Boro's action ethical? Support your answer
 - iii. Is there any law Mr. Boro has violated? If yes name it.
 - iv. Is Ms. Nene's action ethical? Support your answer
3. a) Explain the difference between a zero-day attack and a worm.
b) Explain the following terms are used in computer ethics; Access, Privacy, Ethical principals, Property and Accuracy.
4. a) In most organizations, whistleblowing is always considered as a last resort, explain why this is often the case and what might warrant it?
b) Explain two (2) ethical issues often encountered when handling large databases.