

# CMP1102-Computer Engineering Ethics

## Continuous Assessment Test II

*Instructions: Attempt all questions*

*Exam duration: 1 hour*

1.
  - a) Briefly explain the difference between vices and virtues, clearly stating their significance.
  - b) **Tiara** is a computer engineer who often violates the ethical code, would you recommend **Tiara** to be arrested whenever the violation takes place? Support your answer
  - c) State two (2) main limitations of the code of ethics.
2.
  - a) Differentiate between a software defect and software quality.
  - b) **Kumbe** works as a software developer at **Mango Tech S.r.I**, a software development company. After **Kumbe** developing a software for **Mango Tech S.r.I**, **Zitu** the software tester for **Mango Tech S.r.I** realized that the developed software had so many defects. What could have caused these software defects?
3.
  - a) Explain the difference between “Intellectual property” and “patent”.
  - b) What is a freeware license, give two (2) examples of freeware licenses.
4.
  - a) Briefly explain the main difference between Trojan horse and a worm.
  - b) **Ms. Tekra** brings her USB flash disk and requests you to plug into your computer so that you transfer for her some documents named **doc-1** and of which you accepted. After thirty (30) minutes, your friend **Mr. Youne** also requests the **doc-1** to be transferred to his USB flash disk of which you accepted. Assuming after one hour of successfully transferring **doc-1** to their computers and no actions from either **Ms. Tekra** or **Mr. Youne**, both of their computers black out because the **doc-1** was infected.
    - i) What term can you use to refer **doc-1**
    - ii) Is it possible for **Mr. Youne's** computer to black out while **Ms. Tekra's** computer doesn't? Support your answer
    - iii) Is it possible for **Ms. Tekra's** computer to black out while **Mr. Youne's** computer doesn't? Support your answer