



UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING
PROFESSIONAL DEVELOPMENT (ITECPD)



END OF SECOND SEMESTER EXAMINATIONS, OCTOBER, 2024

LEVEL: 400

COURSE CODE: 482

COURSE TITLE: LEGAL AND SECURITY ISSUES IN ICT

TIME ALLOWED:

STUDENT'S INDEX NUMBER:



VISIT: COLEMANPUBLICATION.COM FOR MORE

- This paper is made up of ONE SECTION.
- The Section is made up of five essay type questions.
- Answer any THREE questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.

Instruction: Answer any three (3) questions in the answer booklet provided.

1. a) List the **three (3)** main information security goals (6 Marks)
b) What is confidentiality in information security and why is it important? (6 Marks)
c) What is data encryption, and how can it help to maintain confidentiality? (8 Marks)
2. a) List **three (3)** software vulnerabilities. (5Marks)

- b) What is a zero-day vulnerability? (5marks)
- c) With the use of an example, explain the difference between a vulnerability and a threat. (10 Marks)
3. a) What is identification in the context of information security? (5 marks)
- b) How does identification differ from authentication? (6 marks)
- c) State and describe the three main types of authentication factors. (9 Marks)
4. a) State three laws that are relevant to the use of ICTs in Ghana. (5 marks)
- b) What are physical controls in information security? Give examples (7 Marks)
- c) Why is employee training considered an administrative control? (8 Marks)
5. a) What is spyware? (5 marks)
- b) Why is spyware considered unethical? (8 Marks)
- c) What are opt-in and opt-out policies in ICT and data protection, and how do they differ? (7marks)



VISIT: COLEMANPUBLICATION.COM FOR MORE