



FACULTY OF SCIENCE AND TECHNOLOGY
END OF SEMESTER EXAMINATIONS - APRIL 2025

PROGRAMME: MIT

YEAR/SEM: YEAR 1/SEMESTER 2

COURSE CODE: MIT720

NAME: CONTEMPORARY ISSUES IN IT

DATE: 2025-04-15

TIME: 2:00-5:00PM

INSTRUCTIONS TO CANDIDATES:

1. Read the instructions very carefully
2. The time allowed for this examination is STRICTLY three hours
3. Read each question carefully before you attempt and allocate your time equally between all the Sections
4. Write clearly and legibly. Illegible handwriting cannot be marked
5. Number the questions you have attempted
6. Use of appropriate workplace examples to illustrate your answers will earn you bonus marks
7. Any examination malpractice detected will lead to automatic disqualification.

DO NOT WRITE ANYTHING ON THE QUESTION PAPER

Section A Attempt All

Question 1:

1. Define professionalism in the context of Information Technology.(2 marks)
2. Mention any five characteristics of an IT profession.(5 marks)
3. Explain five major challenges that IT professionals face in maintaining ethical standards in their work.(5 marks)
4. Explain the significance of certifications in IT and provide two examples of widely recognized IT certifications.(5 marks)
5. Explain any five core principles of IT professionalism.(5 marks)
6. Briefly discuss the importance of professionalism in the field of IT.(5 marks)
7. Mention five guidelines to minimize invasion of privacy (5 marks)
8. Explain any five intellectual property protections (5 marks)
9. Mention any three advantages of telecommuting.(3 marks)

Section B Attempt only three

Question 1:

- a) Explain the importance of an IT usage policy in an organization.(5 marks)
- b) What key components should such a policy include?(5 marks)
- c) Describe how government licensing of IT professionals could impact the IT industry.(5 marks)
- d) What are the key challenges associated with licensing IT professionals?(5 marks)

Question 2:

- a) Explain ethical challenges posed by modern information systems.(10 marks)
- b) Discuss the five-step ethical analysis framework for decision-making in information systems.(10 marks)

Question 3:

- a) What are the ethical concerns surrounding AI-generated content and deepfake technology?(10 marks)
- b) Discuss the role of IT governance in ensuring compliance with industry standards and regulations.(10 marks)

Question 4:

- a) Discuss the ethical responsibilities of IT professionals in their relationships with:(10 marks)
 - i) Employers
 - ii) Clients
 - iii) Suppliers
- b) Discuss the role of professional codes of ethics in guiding IT professionals.(10 marks)

Question 5:

- a) Explain five common ethical issues faced by IT users in an organization.(10 marks)
- b) Discuss how companies can promote ethical behavior among IT users.(10 marks)

Question 6:

- a) How should companies balance employee privacy with workplace monitoring?(10 marks)
- b) What are the implications of digital inclusion and the digital divide in developing countries?(10 marks)