INTERNATIONAL UNIVERSITY OF EAST AFRICA
'Learning to Succeed'

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:
TIME:

INSTRUCTIONS TO CANDIDATES:

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. Expalin 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. Exlain any five core principles of IT professionalism.(5 marks)

6. Briefly discuss the importance of of professionalism in the field of IT.(5 marks)

7. Mention five guidelines to minimise invasion pf privacy (5 marks)

8. Explain any five intellectual property protections (5 marks)

9. Mention any three advantages of telecommuting.(3 marks)

Question 2:

1.Define professionalism in the context of Information Technology.(2 marks)

2. Mention any five characteristics of an IT profession.(5 marks)

3. Expalin 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. Exlain any five core principles of IT professionalism.(5 marks)

6. Briefly discuss the importance of of professionalism in the field of IT.(5 marks)

7. Mention five guidelines to minimise invasion pf 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 concept of intellectual property and discuss the different types of protections available for intellectual property rights.(10 marks)

b).Evaluate the impact of software piracy laws on the software industry and discuss the challenges of enforcing these laws globally. (10 marks)

Question 2:

a) Explain how information technology has changed the modern workplace. Discuss both the benefits and potential drawbacks of telecommuting.

b) Virtual organizations are increasingly becoming common in the digital age. Discuss their advantages and disadvantages compared to traditional organizations

Question 3:

a)What are the ethical concerns surrounding AI-generated content and deepseek technology?(10 marks)

b)Discuss the role of IT governance in ensuring compliance with industry standards and regulations.(10 marks)

Question 4:

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)

Question 5:

a) How has remote work impacted IT infrastructure and cybersecurity? (10 marks)

b) Discuss the ethical and legal implications of social media data collection and surveillance.(10 marks)

Question 6:

a) Explain the concept of software piracy and discuss its implications for IT professionals.(10 marks)

b) Define whistle-blowing in the IT industry and discuss its ethical and legal consequences.(10 marks)

Question 7:

a) Explain the importance of anIT 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 8:

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 9:

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 10:

a) Explain the different items to consider when establishing an IT usage policy.(10 marks)

b) Explain the common ethical issues for IT users.(10 marks)

Question 11:

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 12:

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)