National University of Computer and Emerging Sciences
Islamabad Campus

Professional Practices in IT (CS4001)

Course Instructor(s):
All Sections

Sessional-I Exam

Total Time (Hrs):	1
Total Marks:	50
Total Questions:	3

Date: Sep 24, 2024

21i-0883   B

Roll No   Course Section   Student Signature

Do not write below this line.

Attempt all the questions.

Q1: This question includes 20 MCQs. Please use the following grid to provide your answers, and then attach this with your answer sheet.

[20 marks]

Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans
1	c	6	b	11	c	16	a
2	d	7	b	12	c	17	c
3	c	8	a	13	c	18	c
4	d	9	d	14	d	19	d
5	a	10	c	15	c	20	d

19 / 20

1. What is the primary purpose of studying Professional Issues in IT?
   a. To learn programming languages
   b. To focus solely on technical skills
   c. To understand the broader context of IT work
   d. To memorize legal codes

2. Which of the following is NOT a characteristic of a profession?
   a. Expert knowledge
   b. Professional bodies
   c. Service to society
   d. Lack of internal governance

3. Professionalism is supported by these pillars.
   a. Deontology, Utilitarianism, Integrity, Responsibility
   b. SE codes of ethics, ACM code of conduct
   c. Commitment, integrity, responsibility, accountability
   d. Accredited education, licensing

4. In _____ an action is right if the consequences of that action are favorable to all except the actor.
   a. Egoism
   b. Relativism
   c. Hedonism
   d. **Altruism**

5. _____ theory puts an individual's interests and happiness above everything else.
   a. **Egoism**
   b. Relativism
   c. Hedonism
   d. Altruism

6. _____ is a rule of conduct or an action recognized by custom or decreed by a formal enactment, community, or group
   a. Ethics
   b. **Moral**
   c. Law
   d. Guideline

7. _____ is a process that involves the "cycle of setting measurable goals, planning what needs to be done to meet those goals, reporting progress towards goals, evaluating the reports, and using that feedback to make improvements".
   a. Integrity
   b. **Accountability**
   c. Professionalism
   d. None of the above

8. _____ means a state of undivided loyalty to self-belief.
   a. **Integrity**
   b. Accountability
   c. Code of ethics
   d. None of the above

9. Which of the following is a key component of integrity in professional practice?
   a. Avoiding all risks
   b. Maximizing profit at all costs
   c. Following orders without question
   d. **Being honest and having strong moral principles**

10. _____ assures that the formal course work meets the standards of the profession.
   a. Licensing
   b. Certification
   c. **Accreditation**
   d. None of the above

11. What is the main purpose of accreditation in professional education?
   a. To limit the number of graduates
   b. To provide job guarantees
   c. **To ensure educational programs meet professional standards**
   d. To simplify coursework

12. Utilitarianism is an example of
   a. the social contract theory.
   b. a non-consequentialist theory.
   (c) a consequentialist theory.
   d. a relativistic theory.

13. The specialized field of Computer Ethics is needed because:
   a. Computing can permanently transform certain ethical issues
   b. Rapid advancements can create policy vacuums
   (c) A and B both
   d. None of the above

14. Ethics is:
   a. a rational examination of people's moral beliefs.
   b. one way to determine which activities are "good" and which are "bad."
   c. a branch of philosophy and a field of study more than 2,000 years old.
   (d) All of the above

15. An imperfect duty, as per Kant, is:
   a. An action that is unethical and should never be done
   b. An action that is ethical and must always be done
   (c) An action that can sometimes be ignored
   d. An action that can destroy society

16. A problem with professional ethical codes is that:
   (a) They cannot cover all aspects
   b. They are very strict
   c. They can be changed
   d. They add a level of professionalism

17. What is the primary purpose of professional development in a mature profession?
   a. To increase salaries
   b. To restrict entry into the profession
   (c) To maintain and develop knowledge and skills
   d. To reduce workload

18. Principles of conduct describe:
   a. Minimum standards of ethical conduct
   b. Specific rules to be followed
   (c) Ideal standards of ethical conduct
   d. Professional ethics

19. Professional ethics must take into account
   a. Relations between professionals and clients
   b. Relations among professonals
   c. Specialized technical details of the profession
   (d) All of the above

20. Networking is
   a. A major function of professional bodies
   b. Extremely helpful for personal development
   c. Extremely helpful for professional development
   (d) All of the above

Q2: Based on the scenario given here, answer the two questions under it. **[15 marks]**

Scenario:
Zara works for a software development firm ABC. ABC is bidding for a very lucrative project from another firm XYZ. ABC is a good company but it does not have experience in the specific technology which XYZ plans to use. Zara finds out that her childhood friend Zeb is the decision maker at XYZ for this project. He trusts her, and asks her if ABC has experience in this domain. Zara's boss tells her: Please tell Zeb that we have experience in this domain. Our company badly needs this project, and if we do not get it, 200 employees will have to be laid off/fired due to financial constraints. Zara knows that ABC does not have experience in this domain. She also knows that there is a chance ABC can hire people with relevant experience once they get the project.

a) What does Utilitarianism say she should do? Why? (5)

b) Describe in detail how Kant's categorical imperative would guide her? (10)

Q3: Give short answers. **[15 marks]**

a) Describe two roles a professional body is expected to play in a profession? (5)

b) What is autonomy in the context of a profession? (5)

c) Discuss the relationship between Ethics and Law? (5)

Best wishes for your success.