



COMSATS University, Islamabad

Department of Computer Science
TERMINAL EXAMINATION - SPRING 2022

Class: BCS-2(AB), BSE-5(AB)
Subject: CSC110 Professional Practices in IT
Instructor: Ch. Anwar Shaukat, Mr. Omer Vikas

Date: July 01, 2022
Time Allowed: 3 Hours
Marks: 50

Question 1: (CLO- 1 & 2) (15)

- 1.1 Considering the positive and negative ways in which computer technology alters modes of Social Interaction at the personal level. Read the following case study and the answer the following questions: (10)

A junior member of staff has just returned to work after taking special leave to care for her elderly mother. For financial reasons she needs to work full-time. She has been having difficulties with her mother's home care arrangements, causing her to miss a number of team meetings (which usually take place at the beginning of each day) and to leave work early. She is very competent in her work but her absences are putting pressure on her and her overworked colleagues. You are her manager, and you are aware that the flow of work through the practice is coming under pressure. One of her male colleagues is beginning to make comments such as "a woman's place is in the home", and is undermining her at every opportunity, putting her under even greater stress.

How should you proceed as a manager so as not to discredit yourself, your profession or the practice for which you work? Apply the following theories to justify your action:

- a) Act Utilitarianism b) Rule Utilitarianism c) Kantian 1st formulation

- 1.2 On the basis of Act and Utilitarian approach; keeping in view the for the below mentioned scenario, what will be your decision and why? (5)

Suppose that you are a judge hearing a murder case. The killer is an old age citizen and has no criminal record. His family (a wife and two young children) are dependent on him. Suppose you believe that the convicted person will not be dangerous to society by committing crimes if released and want to be lenient. You know that this will make the convict, his friends and his family very happy. Imagine that the victim's family will not feel pain as a result of this decision as the person who was killed was also an old age citizen suffering from a number of chronic diseases.

Question 2: (CLO 5) (10)

- 2.1 Keeping in view the Privacy term and concerns, how it can be beneficial to the society and Individuals? Also state the limitations, if any, according to the ethical theories or by your own moral code. (5)
- 2.2 Briefly explain the concepts of Opt-in and Opt-out Policies. Chalk out the source of a common way for organizations to gather large databases of information they can mine. (5)

Question 3: (CLO 3) (15)

- 3.1 Talking about the Computing Profession, highlight and elaborate the key points of Code of Conduct, defined by IEEE for the Software Engineers? (5)
- 3.2 Read the following case study and the answer the questions: (10)
- In this scenario, you are asked to imagine that you are hired as interviewer in "web design Consultancy company". Your task is to interview the staff and judge the competence of employees. The aim of this process is to inform the company about the type of training courses they need to implement and therefore, to highlight areas of overall weakness as opposed to individual shortcomings: however the data collected will be able to identify an individual's weaknesses. Consent clearly states that comments made to you by interviewees are to remain private but, following the study, a senior vice-president of the company approaches and asks 'Who did well in the study?' How does one respond'.*
- a) Identify ethical issues related to above case study.
b) Which codes of "IEEE-ACM code of conduct" relates to above case study?
c) Write limitations of "IEEE-ACM code of conduct".

Question 4: (CLO 4) (10)

- 4.1 When it comes to protecting the Intellectual Property Rights how can you differentiate between the terms of Patents and Copyrights? Clearly state the requirement and impacts of exercising these terms (5)
- 4.2 Taking the real time examples, explain Digital Rights Management and Criticisms on it. (5)