

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 2023

Marks Scored:

Level : B.E./B.Sc.
Year : III

Course : COMP 343
Semester : II

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date : 03 JUL 2023

SECTION "A"

[20Q. × 0.5 = 10 marks]

Encircle the most appropriate option.

- _____ is a set of rules for determining moral standards or socially acceptable behaviour.
a. Protocol b. Standard c. Ethics d. Creativity
- _____ highlights an organization's key ethical issues and identifies the overarching values and principles that are important to the organization and its decision-making process
a. Code of conduct b. Code of principle
c. Code of standard d. Code of ethics
- _____ means to be in accordance with established policies, guidelines, specifications, or legislation.
a. Compliance b. Internal audit c. Monitoring d. Social audits
- _____ is a process that one undertakes voluntarily to prove competency in a set of skills.
a. Licensing b. Certification c. Registration d. Nomination
- _____ means that data is protected from unauthorized changes to ensure that it is reliable and correct.
a. Privacy b. Security c. Integrity d. Defence
- Which is an example of plagiarism?
a. Reading a paragraph online and retyping it in your own words.
b. Copying and pasting someone else's work into your paper using quotation marks and citing the author
c. Typing a paper in your own words
d. Copying and pasting a sentence from the Internet into your paper.
- _____ occurs when an employee has more than one interest
a. Conflict of Interest b. Excitement
c. Confusion d. Dilemma
- Which one of the following strongly implies a bribe?
a. Made in open b. Made in secret
c. Given after a favour d. Causes no damage in goodwill
- Conveying information by an employee, on an important moral problem to somebody to take action
a. Industrial Espionage b. Whistle Blowing
c. Moonlighting d. Endangering lives

10. The process of taking something apart in order to understand it, build a copy of it, or improve it is called
- a. Engineering
 - b. Reverse Engineering
 - c. Plagiarism
 - d. Trade secret
11. Which of the following is not an advantage for organizations that employ contingent workers?
- a. The company can release contingent workers when they are no longer needed.
 - b. The contingent worker's experience may be useful to the next firm that hires him or her.
 - c. Training costs are kept to a minimum.
 - d. Contingent workers provide a way to meet fluctuating staffing needs.
12. _____ means that you accept the potential costs and obligations for the decisions you make.
- a. Responsibility
 - b. Accountability
 - c. Liability
 - d. Due process
13. What is not a feature of the General Data Protection Regulation (GDPR)?
- a. It applies to all firms doing business in the EU.
 - b. It imposes fines on companies for violating the regulation up to 4 percent of a firm's global revenue.
 - c. It prevents firms from using cookies.
 - d. It creates a single EU privacy policy.
14. Which of the following protects the authors of a book from having their work copied by others?
- a. Patent protection
 - b. Due process
 - c. Copyright law
 - d. Fair Use Doctrine

Encircle the True OR False option for the questions below.

15. The European philosophy of addressing privacy concerns employs strict government regulation, including enforcement by a set of commissioners; it differs greatly from the U.S. philosophy of having no federal privacy policy. True or False?
- a. True
 - b. False
16. All anonymous emails and blog postings are either illegal or unethical. True or False?
- a. True
 - b. False
17. The right to freedom of expression is restricted when the expressions, whether spoken or written, are untrue and cause harm. True or False?
- a. True
 - b. False
18. Because defamation is defined as an untrue statement of fact, truth is an absolute defense against a charge of defamation. True or False?
- a. True
 - b. False
19. The software can be protected under copyright law, but it can also be patented. True or False?
- a. True
 - b. False
20. Two software manufacturers develop separate but nearly identical programs for playing an online game. Even though the second manufacturer can establish that it developed the program on its own, without knowledge of the existing program, that manufacturer could be found guilty of copyright infringement. True or False?
- a. True
 - b. False

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SECTION "B"
[6Q. × 4 = 24 marks]

Attempt *ANY SIX* questions.

1. If you had an opportunity to join Anonymous, would you? Why, or why not?
2. What can you do to prevent ransomware attacks on your own computer? And, how do you think a victim should respond to a ransomware attack?
3. Outline a multistep approach that a university might take to successfully combat plagiarism among its students.
4. What is whistle-blowing, and what ethical issues are associated with it?
5. What are the strengths and limitations of using copyrights, patents, and trade secret laws in Nepal to protect your intellectual property associated with Information Technology?
6. Although labour savings associated with offshore outsourcing to Nepal may look attractive to a Non-Resident Nepali (NRN) based in America, what could be the associated cost and other ethical problems that s/he can expect while running such offshore outsourcing projects from Nepal?
7. What is free expression and why freedom of expression is important in information technology?
8. In December 2010, Facebook implemented a new Tag Suggestions feature for photos. When users add photos to their Facebook pages, the Tag Suggestions feature uses facial recognition software to suggest the names of people in the photos based on photos in which they have already been tagged. Although users could always tag photos of their Facebook "Friends," the Tag Suggestions feature process is now semi-automated, with Facebook providing suggestions regarding which of your friends is in a photo. Facebook also changed its users' privacy settings to make the facial recognition feature a default; users must opt out of having their names suggested for photos by changing their privacy settings to disable the feature. However, Facebook does not give its users the option not to be tagged in any photos; a user's Facebook Friends can still tag a user in a photo manually, even if the user has disabled the Tag Suggestions feature. Users who do not want their name associated with a photo must manually "untag" themselves in each photo. This approach of automatically enrolling users into new features without their knowledge or consent has become standard practice for the firm as a means of ensuring that users experience the full effects of Facebook.

Do you agree with Facebook's philosophy of automatically enrolling users in new features without their knowledge or consent? Why or why not?

SECTION "C"

[2Q. × 8 = 16 marks]

Attempt *ANY TWO* questions.

9. Describe a hypothetical situation in which the action you would take is not legal, but it is ethical. Describe a hypothetical situation where the action you would take is legal, but not ethical.
10. You work part-time evenings and weekends as a freelance designer. You also work full-time for an IT consulting group. When registering with the freelancing platform, you unintentionally signed up using your full-time work email address. As a result, you frequently find yourself receiving and sending emails related to your freelance design work from your company computer at your IT consulting job. You try to limit this activity to your lunch hour, but there are often urgent messages and critical change requests that require immediate attention. Lately, the number of such emails is increasing. Sometimes you worry about what would happen if your manager found out about this activity, but cutting off the flow of emails from your clients could have a serious impact on your ability to serve them better, maintain your five-star online reputation, and continue with your revenue stream.

What are the issues of integrity and ethical practices of IT professionals in the case discussed above? What should you do and why? If you are the manager, what would you do and why?

11. XYZ Corporation plans to secretly monitor the Web pages visited by its employees, using a data mining program to analyse the access records. Chiranjeevi, an engineer at XYZ, recommends that XYZ purchase a data mining program from Rohan, an independent contractor, without mentioning that Rohan is Chiranjeevi's close relative. Rohan had developed this program while previously employed at UVW Corporation, without the awareness of anyone at UVW.

What are the issues of privacy, conflict of interest, and intellectual property posed in the case study? What options do XYZ Corporation, Chiranjeevi, Rohan, and UVW Corporation have, and what should they do and why?