



University of Colombo, Sri Lanka

UCSC

University of Colombo School of Computing

BIT

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2024 — 3rd Year Examination — Semester 5

IT5206 — Professional Practice

Structured Question Paper
(2 Hours)

To be completed by the candidate

Index Number

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Important Instructions

- The duration of the paper is **2 hours**.
- The medium of instructions and questions is English. Students should answer in the medium of English language only.
- This paper has **4 questions** on **12 pages**. Answer **all** questions.
- All questions carry **equal** marks.
- Write your answers **only on the space provided** on this question paper.
- Do not tear off any part of this question paper. Under no circumstances may this paper (or any part of this paper), used or unused, be removed from the Examination Hall by a candidate.
- Note that questions appear on both sides of the paper. If a page or part of a page is not printed, please inform the supervisor/invigilator immediately.
- Any electronic device capable of storing and retrieving text, including electronic dictionaries, smartwatches, and mobile phones, is not allowed.
- Calculators are **not allowed**.
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**To be completed by
the examiners**

1	
2	
3	
4	
Total	

Q1

- a.) There are four (4) different kinds of commercial organizations based on the organization ownership type. List and describe the differences between these organization types.
(12 Marks)

ANSWER IN THIS BOX

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b.) Briefly describe the two (2) most common models of structuring organizations.

(05 Marks)

ANSWER IN THIS BOX

c.) Describe four (4) ways of overcoming challenges faced by management teams in organizations.

(08 Marks)

ANSWER IN THIS BOX

CONTINUE THE ANSWER IN THIS BOX

Q2).

- a.) Provide one (1) example each for Phishing, Smishing, and Vishing.

(06 Marks)

ANSWER IN THIS BOX

- b.) Briefly describe the differences between Cyberattacks and Cybersecurity.
(05 Marks)

ANSWER IN THIS BOX

- c.) Explain the role of an Internet Service Provider (ISP) in caching and hosting, highlighting the ethical considerations and professional practices involved.
(08 Marks)

ANSWER IN THIS BOX

CONTINUE THE ANSWER IN THIS BOX

- d.) Some organizations rely on custom-made software. What elements need to be delivered with custom-made software?

(06 Marks)

ANSWER IN THIS BOX

Q3).

- a.) Briefly describe four (4) different types of Intellectual Property (IP) rights. Provide one example for each IP type.

(08 Marks)

ANSWER IN THIS BOX

- b.) List down the two (2) key rights of an inventor during the temporary monopoly period.

(04 Marks)

ANSWER IN THIS BOX

CONTINUE THE ANSWER IN THIS BOX

- c.) A copyright infringement occurs when someone does anything that is the sole property of the copyright owner without authorization. Briefly describe the two (2) types of copyright infringement.

(08 Marks)

ANSWER IN THIS BOX

CONTINUE THE ANSWER IN THIS BOX

d.) Explain the purpose of a Non-Disclosure agreement.

(05 Marks)

ANSWER IN THIS BOX

Q4).

a.) Briefly explain the following:

(10 Marks)

- a. Liability of defective Software
- b. A Shrink-wrapped license
- c. Creative Commons
- d. Fair usage policy
- e. Non derivative work

ANSWER IN THIS BOX

b.) Explain the following roles which are discussed under the topic of Internet Issues
(10 Marks)

- a. A Black Hat Hacker
- b. A Cracker
- c. A Malicious insider
- d. A Cybercriminal
- e. A Hacktivist

ANSWER IN THIS BOX

c.) Briefly describe how a DDoS attack can take place.

(5 Marks)

ANSWER IN THIS BOX

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