

# ***Business Resilience and Incident Management (MSCCYB1\_A, PGDCYB\_SEP23)***

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## ***Continuous Assessment 2 (60%)***

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### Introduction

This assessment requires you to write a structured report that demonstrates your critical understanding and conceptual learning based on the provided themes. Each part of the report should be comprehensive, well-researched, and include critical evaluations. Ensure that your report adheres to level 9 academic standards, including proper citations and references.

### Assessing the Impact of Cyber Attacks & Understanding the Threat Landscape

Answer all sections in part a.

#### Question 1

Comprehensively explain the impact of cyber-attacks on businesses and the importance of understanding the threat landscape. Your answer should include:

- The different types of impacts (e.g., operational, financial, reputational) a cyber-attack can have on a business. **(10 marks)**
- An overview of the threat landscape, including common threat actors, their motivations, and typical tactics, techniques, and procedures (TTPs). **(5 marks)**
- The significance of assessing these impacts and understanding the threat landscape for effective cyber security management. **(5 marks)**

## Question 2

Describe the roles and responsibilities of the Blue Team and Red Team in incident response and their importance in maintaining business continuity. Your answer should include:

- Specific actions and responsibilities of the Blue Team during different phases of incident response (preparation, detection, containment, eradication, recovery, and lessons learned). **(10 marks)**
- Specific actions and responsibilities of the Red Team in simulating attacks and testing defences. **(5 marks)**
- How both teams collaborate to ensure business continuity and improve overall security posture. **(5 marks)**

## Question 3

Discuss how organizations can scale their incident response (IR) capabilities to maintain business resilience. Include in your answer:

- The key components of a robust IR posture and why they are important. **(10 marks)**
- Strategies for scaling IR activities in both large and small organizations. **(5 marks)**
- The role of continuous improvement in IR and how organizations can implement an effective IR improvement process. **(5 marks)**

## Part B: Roles, Responsibilities, and System Forensics

Answer all sections in part B.

### Question 4

Explain the mapping of key incident response roles to their activities and the significance of system forensics tools in the incident response process. Your answer should address:

- A detailed mapping of IR roles (e.g., Incident Commander, Forensic Analyst, Communication Lead) to their specific activities during an incident. **(10 marks)**
- The function and importance of system forensics tools in investigating and responding to cyber incidents. **(5 marks)**
- How these roles and tools contribute to enhancing business resilience and incident management. **(5 marks)**

## Part C: Regulatory and Operational Resilience & Threat Intelligence

Answer all sections in part c.

## Question 5

Explain the role of regulation and operational resilience in incident management from a cyber security perspective, and discuss the importance of threat intelligence. Include in your answer:

- How threat intelligence contributes to robust security implementation and enhances operational resilience. **(10 marks)**
- The impact of regulatory requirements on business operations and incident management practices. **(5 marks)**
- The importance of using threat intelligence to improve incident response outcomes. **(5 marks)**