PGDM / PGDM (FINTECH) Program
TRIMESTER - VI (Batch: 2023-25)
END-TERM EXAMINATION, APRIL 2025

Course Name	**Introduction to Cybersecurity**	Course Code	
Duration	Three Hours	Max. Marks	60

Instructions:

1. Read each question carefully and answer concisely.
2. For scenario-based questions, provide logical explanations and real-world examples where applicable.
3. Ensure clarity in responses, especially for regulatory and compliance-related questions.
4. Marks are indicated alongside each question.

Q1. Define the CIA Triad in cybersecurity. **(2 marks)**

Q2. What is a vulnerability in cybersecurity? **(2 marks)**

Q3. What are the three key elements of risk assessment? **(2 marks)**

Q4. Define malware and name two common types. **(2 marks)**

Q5. What is digital hygiene? Give one example. **(2 marks)**

Q6. What is a supply chain attack? **(2 marks)**

Q7. Define risk mitigation. **(2 marks)**

Q8. What is SIEM in cybersecurity? **(2 marks)**

Q9. What is GDPR compliance? **(2 marks)**

Q10. Define cybersecurity awareness training. **(2 marks)**

Q11. What does continuous monitoring mean in cybersecurity? **(2 marks)**

Q12. What is the impact of a security breach on a company's reputation? **(2 marks)**

Q13. Explain the importance of cybersecurity risk management in an organization. **(3 marks)**

Q14. How does threat intelligence help in cybersecurity defense? **(3 marks)**

Q15. Describe how a business can mitigate phishing attacks effectively. **(3 marks)**

Q16. Explain the role of compliance frameworks like PCI DSS and HIPAA in cybersecurity. **(3 marks)**

Q17. Explain the steps involved in conducting a risk assessment. **(4 marks)**

Q14. What are the key components of a cybersecurity policy? **(4 marks)**

Q15. Discuss the operational impact of a cybersecurity breach on an organization. **(4 marks)**

Q16. You are a security analyst in a company. A phishing attack has targeted your company's employees. Explain the steps you would take to handle this incident and prevent future attacks. **(6 marks)**

Q17. Your company has recently adopted a new cloud-based system. As part of a compliance audit, you need to ensure data security and privacy regulations are followed. Explain how you would approach this, considering GDPR and continuous monitoring. **(6 marks)**