

26800371



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Reg. No.....

Name.....

INTEGRATED M.C.A. (I.M.C.A.) DEGREE EXAMINATION, DECEMBER 2025

Ninth Semester

IMCA 905 E3—INFORMATION SECURITY AND E—COMMERCE

(2019 Admissions—Supplementary/2018 Admissions—First Mercy Chance/2017 Admissions—
Second Mercy Chance)

Time : Three Hours

Maximum Marks : 75

Part A

*Answer any **ten** questions.*

Each question carries 3 marks.

1. State the importance of Information Security.
2. List the components of an Information System.
3. Explain the need for security.
4. What is a VPN ?
5. What is intrusion detection ?
6. Write a note on *e*-business.
7. Recall the role of the Internet in *e*-commerce.
8. What is a digital token ?
9. Mention any two benefits of EDI.
10. What is EDI in business ?
11. What is an electronic check ?
12. Comment on *e*-commerce ethics.

(10 × 3 = 30 marks)





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Part B

Answer all questions.

Each question carries 9 marks.

13. (a) Elucidate the history and evolution of Information Security.

Or

- (b) Draw and explain the general architecture of CNSS security model.

14. (a) Estimate the different types of firewall.

Or

- (b) Discuss the role of security tools in protecting information systems.

15. (a) Highlight the mercantile process models in E-Commerce.

Or

- (b) Infer the digital token-based electronic payment systems.

16. (a) Evaluate the need of EDI applications in business.

Or

- (b) Demonstrate the steps involved in EDI implementation.

17. (a) Discover the importance of e-commerce payment mechanisms.

Or

- (b) Examine the e-commerce regulations and social responsibility.

(5 × 9 = 45 marks)

