

A-0800

Total Pages : 3

Roll No.

MIT (CS)-101/CEGCS-01

(MCA/MSCCS/CEGCS)

(Fundamentals of Information Security)

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Define Information Security. List the need for information Security.
2. Define E- governance. What are the models and domains of E-governance ? Also discuss the application areas of E-governance.
3. Define Electronic Payment Systems (EPS). What are the needs and components of EPS. Briefly describe the advantages and disadvantages of EPS.
4. Define Cybercrime. What are the category of cybercrime ? Explain in detail.
5. Explain different types of security attacks and services in detail.

Section–B

(Short Answer Type Questions) 4×8=32

Note :– Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Compare active and passive attack.
2. What is the difference between a block cipher and a stream cipher ?

3. What is digital signature ?
4. What is threat ? List their types.
5. Describe in short the threats to E-Commerce security.
6. Discuss about the challenges to Indian cyber laws ?
7. Discuss about Cybercrime and the Indian ITA 2000 ?
8. What are the barriers to E-Commerce ?
