

A-814

Total Pages : 3

Roll No.

MIT (CS)-101/CEGCS-01

(MCA/MSCCS/CEGCS)

(Fundamentals of Information Security)

3rd/1st Semester Examination, 2024 (June)

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. What is a Firewall ? State the design goals of firewalls.
Also discuss in detail different types of firewalls ?
2. What is the difference between e-government and e-governance ?
3. Discuss in details the six key questions that can be asked of any government agency in order to assess how strategically prepared they are for e-governance.
4. Write short note on :
 - (a) Ecash
 - (b) Google wallet
 - (c) Electronic funds transfer
 - (d) Smart cards
5. Discuss any *Four* of the following :
 - (i) Viruses and Worms
 - (ii) WiFi
 - (iii) Browser
 - (iv) DNS
 - (v) HTTP

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. What is an Information ? Why we need security ?
2. Explain the model of network security.
3. What is a digital signature ?
4. What are the different types of ecommerce authentication ?
5. What is Email ? How Email works.
6. What is password ? How to manage the password ?
7. Explain limitation of firewall.
8. Discuss any *two* of the following :
 - (i) Trojan horse
 - (ii) Spam
 - (iii) SMTP
 - (iv) Antivirus
