

# S-746

Total Pages : 4

Roll No. -----

## MIT (CS)-101/CEGCS-01

### Fundamental of Information Security

(MCA/MSCCS/PGDCS/CEGCS)

3<sup>RD</sup>/1<sup>ST</sup> Semester, Examination 2022(Dec.)

Time: 2 Hours

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.

### Section – A

(Long Answer – type questions)

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.

[2 x 19 = 38]

P.T.O.

- Q.1. Discuss in detail about various types of Security attacks with neat diagrams.
- Q.2. What is e-commerce? Discuss e-commerce models in detail. Name some of the famous e-commerce website.
- Q.3. What is a firewall? State the design goals of firewalls. Also discuss in detail different types of firewalls?
- Q.4. What is the difference between e-government and e-governance?
- Q.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)

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.

[4 x 8 = 32]

- Q.1. What is an information? Why we need security?
- Q.2. Explain the model of network security.
- Q.3. What is a digital signature?
- Q.4. What are the different types of e-commerce authentication?
- Q.5. What is Email? How Email works.
- Q.6. What is the password? How to manage the password?

P.T.O.

Q.7. Explain limitation of firewall.

Q.8. Discuss any Two of the following:

- i) Trojan horse.
- ii) Spam.
- iii) Google wallet.
- iv) Antivirus.

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