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**MSEI-021**

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**MASTER OF SCIENCE (INFORMATION  
SECURITY)/P.G. DIPLOMA IN  
INFORMATION SECURITY  
(MSCIS/PGDIS)**

**Term-End Examination**

**June, 2024**

**MSEI-021 : INTRODUCTION TO  
INFORMATION SECURITY**

*Time : 2 Hours*

*Maximum Marks : 50*

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**Note :-** Question No. 1 is compulsory. Attempt any  
*three* from the rest.

1. Differentiate between the following in brief : 20
  - (a) Steganography and Cryptography
  - (b) IPS and IDS
  - (c) Virus and ransomware
  - (d) DOS and DDOS attack

2. What are the roles of firewalls and proxy servers ?  
10
3. Explain in detail the security awareness life cycle along  
with its steps and models. 10
4. What is SNMP management framework ? Also define  
its basic components. 10
5. Explain in detail the requirement for operating system  
security and protection mechanisms. 10

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**P.T.O.**