

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

Term-End Examination

December, 2022

MSEI-021 : INTRODUCTION TO INFORMATION SECURITY

Time : 2 hours

Maximum Marks : 50

Note : *Question number 1 is **compulsory**. Attempt any **three** questions from the rest.*

1. (a) Computer virus involves various stages right from its design to elimination. Explain these stages. 5
- (b) What is Network Security ? Why is it important ? 5
- (c) Explain the difference between Phreaking and Privacy. 5
- (d) What are Reconnaissance Attacks ? Explain any four. 5

2. What is Cryptanalysis ? Explain in brief differential and linear cryptanalysis. 10

3. What is the difference between Firewall Intrusion Detection System and Intrusion Prevention System ? 10

 4. Give the five basic steps used by computer hackers to gain unauthorized access over a computer system. 10

 5. Advertisers have to take extra care when advertising for children. What are the legal and ethical issues involved in advertising potentially harmful products and using psychological tactics to stimulate demand ? 10
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