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MSE-036

**MASTER OF SCIENCE
(INFORMATION SECURITY)**

(MSCIS)

Term-End Examination

December, 2023

**MSE-036 : LATEST TRENDS IN INFORMATION
AND CYBER SECURITY**

Time : 2 Hours

Maximum Marks : 50

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

1. Explain the following in brief : 4×5=20
- (a) Stages of malware analysis
 - (b) Cyber forensics
 - (c) Ransomware mitigation strategies
 - (d) Zero-day vulnerability

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2. Discuss the strategies used for Moving Target Defense (MTD). 10
3. What is a Botnet ? How does an attacker build a botnet and how is it harmful ? 10
4. Explain endpoint defense strategies with example. 10
5. What are the types of Malware ? Explain in detail. 10