# A-0862

Total Pages : 4    Roll No. -------------

# MIT (CS)-203

## Advanced Cyber Security Techniques

### (MSCCS)

2nd Semester Examination 2024(Dec.)

Time: 2:00 hrs     Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into Two (02) Section 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)

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.

[2x19=38]

Q.1. What is Pretty Good Privacy? Explain the working of Pretty Good Privacy in detail.

Q.2. How to apply ACL on a file on both Windows and Linux platforms?

Q.3. Explain common five web application attacks.

Q.4. What is fuzzy hashing? How SSDEEP being advantageous over md5hash sum?

Q.5. Explain the Advanced Persistent Threat (APT) life cycle. Highlight each phase of the attack.

## 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.

[4x8=32]

Q.1. Explain defense in Depth approach?

Q.2. What is signature based detection? How it is different from anomaly detection?

Q.3. Discuss HONEYPOT technology & its applications.

Q.4. What is firewall? Discuss different types of firewall filtering.

Q.5. Discuss emerging threats to cloud computing and Internet of Things (IoT).

Q.6. Define BYOD and its associated security risks.

P.T.O.

Q.7. What are the different types of cyber criminals? Explain each one briefly.

Q.8. What is Denial of service attack? What are the different types of Denial of service attacks?

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