No. of Printed Pages : 3 **MSEI–021(P)(Set-I)**

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

Term-End Practical Examination

June, 2026

MSEI–021(P)(Set-I) : INTRODUCTION TO INFORMATION SECURITY

Time : 3 Hours *Maximum Marks : 100*

Note : *(i) Attempt any* ***two*** *out of three questions.*

(ii) Viva-voce carries 20 marks.

1. Configure a window client to connect to a shared folder on a Linux server using Samba. Perform the following tasks : 40

   (i) Set up a Samba server on the Linux system

(ii) Create a shared folder with appropriate permissions

(iii) Connect the window client to access the shared folder

(iv) Verify read/write access from the windows client

2. Use a network packet sniffer tool (e.g. wire shark) to capture packets and perform the following tasks : 40

(i) Filter packets originating from a specific IP address.

(ii) Identify and analyze HTTP traffic in the captured packets.

(iii) Save and export the filtered data for further analysis.

3. Implement operating system security by applying the following filters : 40

(i) Restrict USB access on a Window system.

(ii) Disable changes to network setting for non-administrator users.

(iii) Prevent access to specific registry keys using Group Policy Editor.

(iv) Block access to specific folders or drives using file permissions.

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