

**ADVANCED CERTIFICATE IN
INFORMATION SECURITY
(ACISE)**

**Term-End Examination
June, 2025**

OSEI-042 : SECURING INTERNET ACCESS

Time : 2 Hours

Maximum Marks : 50

Note : Section A : Question No. 1 is compulsory.

Section B : Answer any **two** out of three short answer type questions.

Section C : Answer any **two** out of three long answer type questions.

Section—A

1. Write notes on any on **four** of the following :

4×5=20

- (a) Functions of firewall
- (b) Bluetooth technology
- (c) Credit card fraud

- (d) Cyber forensics
- (e) E-mail jamming

Section—B

Note : Attempt any **two** out of three short answer type questions.

- 2. Explain Wi-Fi technology working principle. 5
- 3. Discuss any *five* different methods used to detect and prevent the cyber attack. 5
- 4. Describe the purpose of using the digital forensic tools. 5

Section—C

Note : Attempt any **two** out of three long answer type questions.

- 5. Describe the term 'skimming'. How can one protect him/herself against identity theft ? 10
- 6. What is Phishing ? How does it work ? How can an user prevent him from being a victim of phishing attack ? 10
- 7. Explain web services security standards in detail. Also, discuss the threats and attacks with respect to session management. 10

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