

Dr. Babasaheb Ambedkar Open University
Term End Examination January-2026

Course	: MSCCS	Date	: 24/02/2026
Subject Code	: MSCCS-204	Time	: 11:30AM TO 01:45PM
Subject Name	: Cyber Attacks and Counter Measures: User Perspective	Duration	: 2.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Write a details note on User Access Controls.
2. Describe in details about digital signature.
3. Which steps are involved in forensic readiness planning? Explain in details.
4. Explain major steps involved in asset classification and controls.
5. How to select strong password? Discuss various tips for selecting strong password.

Section B

Answer the following (Attempt any four) (20)

1. Explain any five measures for the protection of our system from malicious attacks.
2. List and explain various forensics tools.
3. Describe in brief about hacking and various types of hackers.
4. Discuss in brief about IT Governance Framework COBIT.
5. Write a short note Secure Sockets Layer(SSL).
6. How Iterative model of software development works?.

Section C

Part – A (Multiple Choice Questions) (10)

1. _____ means secretly listening to a conversation between the hosts on a network.
A Backdoors B Tampering
C Eavesdropping D Repudiation
2. Risk management is an activity to manage the _____ of the risk in an organization
A Assessment B Mitigation
C Monitoring D All of them
3. _____ is a working model of software with some limited functionality.
A Prototyping B Rapid Application Development
C Waterfall D Iterative
4. _____ is a Microsoft Windows specific email interface.
A SMTP B POP
C MAPI D IMAP

- 5 _____ testing is a form of testing where the knowledge given to the testing party is limited.

A Black box	B Gray box
C White box	D All of them
- 6 Enumeration is the systematic probing of a target with the goal of obtaining _____ from the system.

A User lists	B Routing tables
C Protocols	D All of them
- 7 In _____ type of attack, every possible combination of characters is attempted until the correct one is uncovered.

A Brute-force	B Dictionary
C Hybrid	D Syllable
- 8 _____ Hackers are the individuals who will aim to bring down the critical infrastructure whatever the consequence may be.

A White hat	B Script kiddie
C Hacktivist	D Suicide
- 9 _____ Controls are executed after the event and are intended to limit the extent of any damage caused by the incident.

A Preventive	B Detective
C Corrective	D None of them
- 10 _____ is a type of threat which acts as a genuine system message and guides you to download and purchase useless and potentially dangerous software.

A Scareware	B Spyware
C Adware	D Bluejacking

Part – B (Do as Directed)

(10)

- 1 COBIT is derived from the COSO framework. True / False
- 2 A firewall is a mechanism by which a controlled barrier is used to control network traffic into and out of an organizational intranet. True / False
- 3 An attack by a known or a malicious person is known as social engineering. True / False
- 4 In full duplex both the stations can transmit as well as receive but not at the same time. True / False
- 5 Digital certificates are file used for proving the authenticity of the user or sender. True / False
- 6 Crackers softwares has a ability to crack code or obtain passwords. True / False
- 7 Phishing is basically an email fraud where the perpetrator sends a legitimate looking email and attempts to gain personal information. True / False
- 8 A Denial-of-Service attack occurs when the user denies the fact that he or she has performed a certain action or has initiated a transaction. True / False
- 9 Service set identification (SSID) is a series of 0 to 32 octets. True / False
- 10 Kerberos is a network authentication protocol.. True / False
