Seat No. : _____

AO-124

April-2022

M.Sc. (CA & IT), Sem.-VIII

Information Security

Time : 2 Hours]

[Max. Marks : 50

SECTION – I

Attempt any **three** questions out of **5** :

AO-	124	1 P.7	Г.О.
5.	(A)	 (i) Answer the following Questions : (any one) (1) What is Database security ? Explain in detail. (2) What is Secure Electronic Transaction (SET) ? Explain in detail. (ii) Explain Trojan horse. 	(5) (2)
	(B)	 (2) Explain Biometrics. Answer the following Questions : (1) Explain Kerberos Protocol. (2) Explain SSL handshake. 	 (2) (5) (2)
4.	(A)	Answer the following Questions :(1) Explain Virtual Private Network.	(5)
	(B)	 (2) Explain Wah in the Whether Attack. Answer the following Questions : (1) What is Digital Signature ? Explain in detail. (2) Explain Public Key Cryptography. 	(2) (5) (2)
3.	(A)	 Answer the following Questions : (1) What is Digital certificate ? Explain in detail. (2) Explain Man in the Middle Attack. 	(5) (2)
	(B)	 authentication. Answer the following Questions : (1) What is Intrusion Detection & Prevention System ? Explain its component. (2) Explain SPYWARE. 	 (2) (5) (2)
2.	(A)	 Answer the following Questions : (1) What is Firewall ? Explain in detail. (2) What is Authentication ? Explain one factor, two factor, three factor 	
	(D)	 (1) Explain Physical Security Guideline. (2) Explain Denial Of Service(DOS) attack. 	(5) (2)
1.	(A) (B)	 Answer the following Questions : (1) What is Security model ? Explain Bell-la-Padula Model. (2) Explain CIA. Answer the following Questions : 	(5) (2)

	(B)	(i)	Answer the following Questions : (any one) (1) Explain Public Key Infrastructure (PKI).							
		(ii)	(2) Explain Network Security Explain Virus.		lel.	(2)				
	SECTION – II									
6.	Attempt any eight .									
	1.		1		andLayer.					
	2. Firewalls is to protect against									
		(A) (C)	Virus Attacks Data Driven Attacks	(B) (D)	Fire Attacks Unauthorized Attacks					
	3.	(A)	tal Signature is not used for Integrity	(B)	Non-Repudiation					
		(C)		(D)	Encryption					
	4.		ch of following is not included ir							
		(A) (C)	Issuer name Owner Public Key	· · ·	Owner name Owner Private Key					
	 5. An eavesdropping attack is type of 									
	5.		Active Attack Moderate Attack		Passive Attack None					
	6 Cyber-attack attackers encrypt victim's data & lock it.									
			Phishing	(B)						
		(C)	Ransom ware	(D)	XS					
	7.		and are types of IDPS. Client ,Server	(D)	Heathan Nature & Deer					
		(A) (C)	Host Base, Server Base	(B) (D)	Network Base, Server Base					
	8.		h Algorithm is	(2)						
	0.	(A)	Non-Reversible	(B)	Encryption					
		(C)	Not Secure	(D)	Private					
	9.		e unwelcome packet are identify usion Prevention System(IPS) wo Quarantine, Drop Drop, Quarantine							
	10.	Digi	tal certificate is verified using							
		(A) (C)	Digital Signature of Owner Digital Signature of client	(B) (D)	Digital Signature of Issuer None					