Roll No

End Semester Examination 2024

Name of the Course: B.Tech
Name of the Paper: Network and System Security

Semester: _6th_____
Paper Code: TCS 619

Time: 3 Hour's

Maximum Marks: 100

Note:

(i)   All Questions are compulsory.
(ii) Answer any two sub questions among a,b and c in each main question.
(iii) Total marks in each main question are twenty.
(iv) Each question carries 10 marks.

Q1	**(10 X2 = 20 Marks)**	
(a)	What is Network Security Attack and type of attacks?	CO1
(b)	What is Networks Security Model Explain with diagram?	
(c)	Explain The OSI Security Architecture in detail?	
Q2	**(10 X2 = 20 Marks)**	
(a)	What is Cipher Block Modes of operation explain any three?	CO2
(b)	What does Symmetric Key Cryptography explain with diagram?	
(c)	Explain any 2: a) Digital Signature b) Public & Private Key c) Secret Key	
Q3	**(10 X2 = 20 Marks)**	CO3
(a)	What is X.509 Certificate?	
(b)	What is Authentication Header? Explain with diagram	
(c)	Explain any 2: a) SSH b) SSL c) TLS	
Q4	**(10 X2 = 20 Marks)**	
(a)	What is Wireless Network security?	CO4
(b)	Explain WAP End to End Security?	
(c)	What is PGP and S/MIME?	
Q5	**(10 X2 = 20 Marks)**	
(a)	What is Virus? Explain any 2 types of Viruses in detail?	CO5
(b)	What is Firewall and Firewall design principal?	
(c)	Explain any 3: a) Cyber b) Cyber Crime c) Cyber Criminal d) Cyber Law	

Note For the question paper setters:
• Question paper should cover all the COs of the course.