Enrollment		Exam Seat No: UNIVERSITY mination-2022	
Subject Nar	ne: Cryptography and Network	Security	
Subject Cod	le: 4TE06CNS1	Branch: B.Tech (CE)	
Semester: 6	Date: 22/09/2022	Time: 11:00 To 02:00	Marks: 70
(2) Instr (3) Drav	of Programmable calculator & an ructions written on main answer b w neat diagrams and figures (if ne ume suitable data if needed.	ook are strictly to be obeyed.	prohibited.
b) c) d) e) f) g) h)	Define What is Plain Text What is encryption What is attack? List down different types of hac ) Which are network security dev	Puses kers. ices used in network.	(14)
Attempt any	y four questions from Q-2 to Q-	8	
Q-2 A B	Attempt all questions Explain Hashing Function in bri Explain RSA algorithm in detai		(14) 07 07
Q-3	Attempt all questions Explain steganography in detail		(14) 07



Explain different types of active and passive attacks

Attempt all questions
Explain Kerberos in detail
Explain firewall design Principles in detail.

В

A

В

Q-4

**07** 

**(14)** 

**07** 

**07** 

Q-5		Attempt all questions	(14)	
	A	Explain OTP in detail with suitable example.		
	В	Explain IP Security in detail.	07	
Q-6		Attempt all questions	(14)	
	A	Explain Digital signature in detail with neat diagram.	07	
	В	Write down different types of Cryptanalytic attack and explain them in	07	
		brief.		
Q-7		Attempt all questions	(14)	
_	A	Explain Public key cryptography in detail.	07	
	В	What is SSL? Which security services does it offers? How does it works?	07	
Q-8		Attempt all questions	(14)	
•	A	Explain E mail security in detail.	07	
	В	Explain MD5 algorithm	07	

