Exam No:	: <u> </u>	_
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## **GANPAT UNIVERSITY**

## B. TECH SEM-VI (COMPUTER ENGINEERING/INFORMATION TECHNOLOGY) FIRST INTERNAL EXAMINATION – FEBRUARY-MARCH 2023 2CEIT6PE3: Cryptography and Network Security

IME: 1	and the second s	ed b
Q.1	xplain Security Mechanism and also describe the relation between Security	[4] 1U
Q.2	III PI PI III AI E WOULD AIDIADOUG WILL TO J TO FEET I	[4] 8NU

Q.3	Calculate the Multiplicative Inverse of 1098 in $Z_{511}$ using Extended Euclidian Algorithm.	[4] 4A
Q.4	Solve the following Linear Congruence and calculate the value of 'x' and 'y'. $5x + 7y + 3 \equiv 10 \pmod{7}$	[4] 4A
	$2x + 3y + 7 \equiv 10 \pmod{7}$	
Q.5	Explain following with suitable example: 5) Set of Residues	[4]
	6) Congruence	<b>1</b> U
	7) Additive Inverse	
	8) GCD	

-----END OF PAPER-----