

15623

	 	7		
T 3.T				
Reg. No.	1		11111	
1108.1.0.				

## VI Semester B.CA. Degree Examination, September - 2021 COMPUTER SCIENCE

## Cryptography and Network Security

(CBCS Scheme)

Time: 3 Hours

Maximum Marks: 100

Instructions to Candidates:

Answer all sections.

## SECTION - A

Answer any 10. Each carries 2 marks.

 $(10 \times 2 = 20)$ 

- 1. What is Cryptography?
- 2. Write any two differences between Symmetric and Asymmetric key system.
- 3. What are the properties of Divisibility.
- 4. Write the difference between Equality and congruence.
- 5. Use affine Cipher to encrypt the message "Cryptography" with key pair (7,2).
- 6. What do you mean by message padding?
- 7. Explain Trapdoor one way function.
- 8. List the properties of cryptographic Hash function.
- 9. What are the problems of symmetric key distribution.
- 10. Write the functions of Public Key Infrastructure (PKI).
- 11. Define the terms Session and session state.
- 12. What are the two modes of operation in IPSec?

## **SECTION - B**

Answer any 5 each carries 5 marks.

 $(5 \times 5 = 25)$ 

- 13. Explain the goals of cryptography.
- 14. With an example explain Extended Euclidean algorithm.

[P.T.O.

- MO(T) 92

AREVENE)

Darling the terms Section and section action

What are the und modern operation at 191009