

Roll. No: \_\_\_\_\_

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
TEST -1 EXAMINATION- SEPTEMBER 2019

M.Tech. I<sup>st</sup> Semester

COURSE CODE: 10M1WCI131

MAX. MARKS:15

COURSE NAME: System and Network Security Techniques

COURSE CREDITS: 2

MAX. TIME: 1 Hr

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

Que:1. [3 Marks; CO1] Why own machines? Explain wrt computer security. Explain the possible Marketplace for Vulnerabilities and "own machines".

Que:2. [3 Marks; CO1] What is the domain of protection? What are the goals of protection in computer system? Explain Domain structure and domain switching with it's possible ways of realization.

Que:3. [3 Marks; CO2] (A) What is stack overflow attack? How it can be use to carried out an attack? Explain with an example.

(B) What is the nomenclature of symmetric and asymmetric Encryption? Explain both in its proper taxonomy.

Que:4. [3 Markd; CO2] What are the possible ways to implement the Access Matrix? Explain each one in details.

Que:5. [3 Marks; CO2] What do you understand by-

- a. Access List
- b. Capabilities
- c. Stack Inspection