

MASTER OF TECHNOLOGY (COMPUTER ENGINEERING) (CBCS - 2015
COURSE) M. Tech. (Computer Engineering) Sem-III: WINTER- 2019
SUBJECT: CYBER SECURITY (UE)

Thursday 28-11-2019
11:00 AM-02:00 PM

W-14146-2019
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Assume suitable data, if necessary.

SECTION-I

Q.1 What do you mean by confidentiality and data integrity? Explain the methods to active it. (10)

OR

Differentiate between symmetric key encryption and public key encryption technique. (10)

Q.2 Explain different tunneling techniques. (10)

OR

Define passive and active attacks. Discuss the functioning of following attacks masquerade phishing and smashing. (10)

Q.3 What are different format of string vulnerabilities? (10)

OR

Explain brute force and dictionary attacks. (10)

SECTION-II

Q.4 What is self-replicating malicious code? Explain its countermeasures (10)

OR

Describe virtual machine obfuscation (10)

Q.5 Explain Automated malicious code Analysis systems. (10)

OR

Explain malicious code naming in details. (10)

Q.6 Write in detail about International conflict in cyberspace. (10)

OR

IPV6 protocol improves communication security- Justify. (10)