Roll No. .....

23561

M. Tech 2nd Semester (Cyber Forensics and Information Security) Examination – May, 2018

ETHICAL HACKING & DIGITAL FORENSICS

Paper : MTCF-201

Time : Three Hours] *[Maximum Marks : 100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any ***five*** question in all, selecting ***one*** question from each Section & question No. 1 is ***compulsory***. All questions carry equal marks.

1. Write a note on following : $5 \times 4 = 20$

(a) Web Hacking

(b) Batch file programing

(c) Cyber security Risk

(d) Novelty detection

SECTION – I

2. What is Network Hacking ? Explain in detail with example. 20

3. What do you mean by Non-malicious program errors ? Explain buffer overflows attack with one example. Also describe its security implication. 20

SECTION– II

4. What do you mean by Denial of Service (DOS) attack ? Explain the various form of DOS and DDOS attack in detail. 20

5. Explain the following : 20

(a) Port scanning

(b) Smurf attack

SECTION – III

6. Describe and explain Tailored Risk Integrated Process (TRIP) in detail. 20

7. What do you mean by Intrusion Detection System ? Explain HIDS and NIDS in detail. 20

SECTION – IV

8. What do you mean by Digital Forensics ? Explain Key Fraud indicator selection process in detail. 20

9. Write a note on following : 20

(a) Accounting forensics

(b) Standardized logging criteria
