

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 × 4 = 20
- (a) Web Hacking
 - (b) Batch file programming
 - (c) Cyber security Risk
 - (d) Novelty detection

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SECTION – I

9. Write a note on following :

20

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

(a) Accounting forensics

(b) Standardized logging criteria

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