

Roll No. ....

**23544**

**M. Tech 1st Sem. (Cyber Forensics and  
Information Security)**

**Examination – December, 2014**

**Cyber Forensics**

**Paper : MTCF-104**

*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 : Question No. 1 is **compulsory** and attempts **four** more questions selecting **one** question from each section. All questions carry equal marks.*

1. Write the short notes on the followings :

- (a) Spyware and Adware
- (b) Vulnerabilities
- (c) Net Privacy system
- (d) Methods of collecting the evidence
- (e) Investigating web attacks

### **SECTION - A**

2. What is cyber forensics? Explain different scientific methods in forensic analysis.
3. What How you protect your data from unauthorized users ? Give suitable algorithms for this.

### **SECTION - B**

4. Write down different methods for internet security system. Also explain network disaster recovery systems.
5. Write down different methods for wireless network security system. Also explain satellite encryption security system.

### **SECTION - C**

6. (a) Digital evidence in criminal investigations.  
(b) Chain of custody and reconstructing the attacks.
7. Explain digital crime scene in detail with examples.

### **SECTION - D**

8. (a) Explain forensic identification and analysis of technical surveillance devices in detail.  
(b) Explain different data encryption methods.
9. Write the short notes on the followings:
  - (a) Different Web attacks
  - (b) Different cyber forensic tools
  - (c) Network traffic
  - (d) Use of past events in forensic science