

Roll No. ....

**97550**

**M. Sc. (Computer Science) 2nd Semester  
(CBCS) Examination – May, 2018**

**CYBER FORENSIC AND SECURITY  
(Open Elective Course) (CBCS)**

Paper : 16CSA01

Time : Three Hours ] [ Maximum Marks : 80

*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 number one is **compulsory**. Attempt any **four** questions at least **one** from each Unit. All questions carry equal marks.

1. (a) What is Password Hacking ? Explain. 8 × 2 = 16
- (b) Write note on Clues to cyber-crime.
- (c) What is Spyware ? Explain.
- (d) What is Data Seizure ?
- (e) What is search warrants ?
- (f) Differentiate between threat and vulnerability.
- (g) Explain Wireless Technologies.
- (h) What do you mean by insider Threats ?

97550-(P-3)(Q-9)(18)

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**UNIT – I**

2. (a) What is Information system ? Explain the types of Information systems in detail. 8
- (b) What is cyber-crimes ? Explain the security threats to cyber-crimes in details. 8
3. (a) What is Information security ? Explain the need for information security in detail. 8
- (b) What is security threats ? Explain the sources of security threats in detail. 8

**UNIT – II**

4. (a) What do you understand by computer forensics technology ? Explain the types of computer forensics technologies in detail. 8
- (b) Write detail note on Avoiding Pitfall with firewalls Biometric security systems in detail. 8
5. (a) What is cyber security ? Explain the roles and principles of cyber security in detail. 8
- (b) What do you understand by Encryption ? Explain different Encryption methods in detail. 8

**UNIT – III**

6. (a) What do you understand by Hacking ? Also explain the terms Hacking windows, Network Hacking and Web hacking in detail. 8

97550- (P-3)(Q-9)(18) ( 2 )

- (b) Write detail note on Digital evidence in criminal investigations. 8
7. (a) What is Evidence collection ? Explain the types and rules of evidence in detail. 16
- (b) Write detail note on the chain of custody and reconstructing the attack. 8

**UNIT – IV**

8. What is Information Technology Act 2000 ? Explain the scope, power of police and Intellectual property issues in cyberspace. 8
9. (a) What are cyber crimes ? How you track hackers ? Also explain the procedure for responding to incidents. 8
- (b) Write detail note on Cyber laws in India. 8

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