

Roll No. : .....

Total No. of Questions : 16 ]

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# SEM4022

M.Sc. (IVth Semester) Examination, 2021

## CYBER SECURITY

Paper - MCSEC-402

(Cyber Crime Investigation and Digital Forensics)

Time : 1½ Hours ]

[ Maximum Marks : 40

*Note* :- The question paper contains three Sections.

### Section-A

(Marks : 1 × 10 = 10)

*Note* :- Answer all the *ten* questions carry 1 mark each. The answer should not exceed 50 words.

### Section-B

(Marks : 3 × 5 = 15)

*Note* :- Answer *five* questions by selecting at least *one* question from each Unit. Each question carries 3 marks. Answers should not exceed 200 words.

### Section-C

(Marks : 5 × 3 = 15)

*Note* :- Answer *three* questions by selecting *one* question from each Unit. Each question carries 5 marks. The answer should not exceed 500 words.

### Section-A

1. (i) What is Cyber Crime ?

(ii) What is Cyber Law ?

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- (iii) What is White Collar Cyber Crime ?
- (iv) What is Password Cracking ?
- (v) What is IP Tracking ?
- (vi) What is e-Mail Tracking ?
- (vii) Name any *two* Forensics Softwares.
- (viii) What is Forensics Ballistics ?
- (ix) How fingerprints recognition work ?
- (x) What is Encryption ?

### **Section–B**

#### **Unit–I**

- 2. Write short note on component of Cyber Law.
- 3. Write short note on Mail Bomb.
- 4. Explain Software Privacy.

#### **Unit–II**

- 5. Write short note on e-Mail recovery.
- 6. Explain password cracking.
- 7. Explain in detail the issue of Cyber Jurisdiction.

#### **Unit–III**

- 8. What is Digital Forensics ?
- 9. Explain Linux System Forensics.
- 10. Describe Electronic Communication Privacy ACT.

### **Section–C**

#### **Unit–I**

- 11. A person dishonestly uses the electronic signature, password or any other unique identification feature of any person. Is this a crime ? If yes, what is punishment ?

12. Write short notes on the following :

- (i) Virus attack
- (ii) Describe different types of Cyber Crime.

**Unit-II**

13. Write short notes on the following :

- (i) Digital Evidence Collection
- (ii) Password cracking

14. Explain seizure of Computer.

**Unit-III**

15. (a) Describe Forensic Ballistics.

(b) Explain Evidence Handling Procedure.

16. Explain Digital Evidence Control.