

B.C.A. - III (CBCS Pattern) Semester-VI
UBCAT601.2 - Paper-I - Elective-II : Computer Forensic Science

P. Pages : 2

Time : Three Hours



GUG/W/24/13302

Max. Marks : 40

-
- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat & labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answer related to question.

Either:

1. a) Define password cracking? Explain the procedure of cracking password by cyber theft. 4
- b) Elaborate the steps to collect and preserve an evidence. 4

OR

- c) What is email tracing? Explain in detail. 4
- d) Write a note on: 4
 - i) Phishing
 - ii) Stalking

Either:

2. a) Write a detailed note on: 4
 - i) Authentication Protocols
 - ii) Password Management.
- b) Define virus? Explain threats related to virus. 4

OR

- c) Explain MAC in detail. Also explain the attacks possible on MAC. 4
- d) Explain firewall design principles. 4

Either:

3. a) What are principles of Block cipher design? Explain. 4
- b) Explain various Encryption techniques in detail. 4

OR

- c) What is steganography? Why it is used? Explain. 4
- d) What do you mean by Domain names? Explain in detail. 4

Either:

- | | | | |
|-----------|----|---|----------|
| 4. | a) | What is cyber law? Explain in detail. | 4 |
| | b) | Differentiate between copyright act and patent law act. | 4 |

OR

- | | | | |
|-----------|----|---|----------|
| | c) | Elaborate legal Identity in detail. | 4 |
| | d) | What is Trademark? Explain why Trademark is used. | 4 |
| 5. | | Solve all the questions. | |
| | a) | Write a note on child pornography. | 2 |
| | b) | Differentiate between Digital signature and Electronic signature. | 2 |
| | c) | Explain public key and private key in short. | 2 |
| | d) | Write a procedure for Trademark registration. | 2 |
