

B.C.C.A. - III (CBCS Pattern) Semester-V
UBCCAT505.3 - Elective-III Paper-V : Computer Forensic Science

P. Pages : 2

Time : Three Hours



GUG/W/24/13045

Max. Marks : 40

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

Either:

1. a) Explain the difference between hacking and cracking. 4
- b) Define internet crime. Write a note on child pornography. 4

OR

- c) Describe E-mail tracking techniques. 4
- d) Write a note on: 4
 - i) Stalking
 - ii) Phishing

Either:

2. a) Explain hash function. 4
- b) Define digital signatures and their applications. 4

OR

- c) Explain biometric authentication methods in detail. 4
- d) What is Virus? Explain its types. 4

Either:

3. a) Describe block cipher design principles. 4
- b) Explain encryption and decryption processes. 4

OR

- c) Describe secure communication protocols. 4
- d) Write a note on Network security. 4

Either:

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|-----------|----|--|----------|
| 4. | a) | Define cyber law and its significance. | 4 |
| | b) | Explain the evolution of IT Act 2000. | 4 |

OR

- | | | | |
|-----------|----|---|----------|
| | c) | Explain copyright infringement and penalties. | 4 |
| | d) | Write a note Trade Marks. | 4 |
| 5. | | Solve all the questions. | |
| | a) | Write a note on Evidence collection. | 2 |
| | b) | Explain fire wall design principles. | 2 |
| | c) | Define steganography and its purpose. | 2 |
| | d) | Explain Patent with reference to IT Act 2000. | 2 |
