

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/23/13045

Max. Marks : 40

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.
3. Avoid vague answer and write answer relevant and specific to questions only.

Either:

1. a) Write a note on child pornography. 4
b) Write types characteristic and properties of virus. 4

OR

- c) What is Evidence collection? Write how to collect Digital Evidence. 4
d) What do you mean by stalking? Explain cyber stalking in detail. 4

Either:

2. a) Elaborate on the concept password management. 4
b) Explain in brief the security issues by using MAC technique. 4

OR

- c) Explain the different characteristics of the firewall. 4
d) What are the different approaches used in intrusion detection? Explain in short? 4

Either:

3. a) Explain the block cipher design in detail. 4
b) What are the different algorithm modes of operation used in cryptography? Explain in brief? 4

OR

- c) Write short note on Data Encryption standard (DES)? 4
d) Explain encryption and decryption in detail. 4

Either:

4. a) Write short notes on list of offenses and penalties under IT Act 2000. 4
b) What is copyright? Explain important categories of work comes under copyright? 4

OR

- c) What do you mean by cyber law? Explain why it is needed. 4
d) Explain the IT Act Improvement and write brief about chapter IV and chapter X? 4

Either:

5. a) Define Denial of service attack? 2
b) What is firewall? Types of firewall? 2
c) Explain patent Act? 2
d) Difference between symmetric and public key encryption. 2
