

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

P. Pages : 2

Time : Three Hours



**GUG/S/25/13302**

Max. Marks : 40

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

**Either:**

1. a) Define the terms Hacking and cracking. Explain both in detail. 4
- b) Write a detail note on: 4
  - i) Cyber Terrorism.
  - ii) Phishing.

**OR**

- c) Explain cyber theft and cyber fraud in detail. 4
- d) What is Email Tracing? Explain in detail. 4

**Either:**

2. a) What is firewall? How does it prevent type unauthorized user to enter in computer system. 4
- b) Explain message Authentication code in detail. 4

**OR**

- c) What is Hash function? Explain the security of Hash function in detail. 4
- d) Write a detail note on: 4
  - i) biometric
  - ii) Electronic signature.

**Either:**

3. a) What is steganography? Why is it used? Explain. 4
- b) What are the principles of Block Cipher Design? Explain in detail. 4

**OR**

- c) What is Encryption? Explain Encryption techniques in detail. 4
- d) Describe cryptography in detail. 4

**Either:**

- 4.** a) What is cyber Law? Explain in detail. **4**
- b) Explain the following terms with their importance. **4**
- i) Copyright
- ii) Patent.

**OR**

- c) Define the term Legal Identity? Explain it in detail. **4**
- d) What is Trademark? Why is it used? Explain. **4**
- 5.** a) Write a short note on Child Pornography. **2**
- b) Explain trusted system in short. **2**
- c) Write a short note on Domain name. **2**
- d) Give the history of IT Act 2000 in short. **2**

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