

Total No. of Questions : 08]

SEAT No. :

**P2890****[4958]-1083**

[Total No. of Pages : 2

**T.E.(Computer Engineering)**  
**COMPUTER FORENSIC & CYBER APPLICATIONS**  
**(2012 Course) (Semester-I) (End-sem)**

*Time :2½Hours]**[Max. Marks : 70**Instructions to candidates:*

- 1) *Solve Q1 or 2,Q3or 4, Q5 or 6 , Q 7 or 8.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Assume suitable data if necessary.*
- 4) *Figures to the right indicate full marks.*

- Q1)** a) Explain circuit switching, packet switching and message switching. [8]
- b) Explain in brief Indian IT Act. [6]
- c) Describe in brief how computer intruders operate [6]

OR

- Q2)** a) Describe the layers of OSI model with suitable diagram. [8]
- b) Describe testimony of digital investigator in courtroom. [6]
- c) Explain how location can be instrumental in investigating an alibi with example. [6]
- Q3)** a) Explain Private key and public key encryption. [8]
- b) Write a short note on Email Encryption. [8]

OR

- Q4)** a) Write a short note on cyber stalking and cyber stalkers. [8]
- b) Write short note on class & indivisual characteristics of digital evidence. [8]
- Q5)** a) Explain patents, copyrights& trademarks in detail. [8]
- b) Describe FAT file system. [8]

OR

**P.T.O.**

**Q6)** a) Explain data recovery process in unix file system. [8]

b) Explain fundamentals of mobile device technology. [8]

**Q7)** a) Write short note on: Ethernet &ATM network. [9]

b) Explain role of sniffer in evidence collection at physical layer. [9]

OR

**Q8)** a) Explain E-mail forgery & Tracking in detail. [9]

b) Explain different internet services and justify internet as an investigation tool. [9]



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