

Total No. of Questions : 8]

SEAT No. :

P3533

[5560]-185

[Total No. of Pages : 2

T.E. (Computer Engineering)

COMPUTER FORENSIC AND CYBERAPPLICATIONS

(2012 Course) (Semester-I) (310245)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Solve (Q.1 or Q.2), (Q.3 or Q.4), (Q.5 or Q.6), (Q.7 or Q.8).*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data if necessary.*

Q1) a) What are the different types of transmission media? Explain with example. **[8]**

b) How the attacker and gender offenders misuse internet? **[6]**

c) Differentiate between Bridge and Router. **[6]**

OR

Q2) a) What are different digital investigation process model? **[8]**

b) Explain periodic listen & sleep operation in S-MAC. **[6]**

c) What is modus operandi? Explain motives behind it. **[6]**

Q3) a) Write a short note on cyber stalking & cyber stalkers. **[8]**

b) What is an investigative reconstruction process? Apply investigative reconstruction process in case of violent crime. **[8]**

OR

Q4) a) What are the different steps applied in examining the compute crime? Prepare an investigative report for “ Mouse theft in Computer Lab from College”. **[8]**

b) Explain the following terms: **[8]**

- i) Private Key encryption
- ii) Public Key encryption

P.T.O.

- Q5) a)** How to handle mobile devices as source of evidence? [8]
b) Describe Intellectual Property Rights (IPR) [8]

OR

- Q6) a)** Describe NTFS file system. [8]
b) Difference between digital evidence on window system & Unix system. [8]

- Q7) a)** What is an E-mail forgery & tracking? How it is carried out? [8]
b) How different logs in TCP/IP related digital evidence traced? Explain with example. [10]

OR

- Q8) a)** Explain concept of searching & tracking on IRC [8]
b) Write short note on :
i) Ethernet
ii) ATM network. [10]

