P2410

[4758] - 578

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

Time : 3Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) Solve Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.

2) Neat diagrams must be drawn whenever necessary.

3) Assume suitable data if necessary.

4) Figures to the right indicate full marks.

Q1) a) Describe the layers of OSI model with suitable diagram. **[8]**

b) What are the different digital investigation process models? Describe any one. **[6]**

c) Explain how intruders make use of social engineering & reverse social engineering to achieve their motive. **[6]**

OR

Q2) a) Explain schedule selection & coordination in S-MAC. **[8]**

b) What types of behaviors are observed in criminal motive. Describe them. **[6]**

c) Write short note on Investigative Reconstruction in violent crime. **[6]**

Q3) a) Define cyber stalking & explain how cyber stalkers operates. **[8]**

b) Explain the following terms with respect to Reconstruction. **[8]**

i) Functional Analysis.

ii) Relational Analysis.

OR

Q4) a) Explain the following terms: **[8]**

i) Private Key Encryption.

ii) Public Key Encryption.

b) Write short note on: **[8]**

i) File formats & carving

ii) Digital Stratigraphy.

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Q5) a) Describe NTFS File system. **[8]**

b) Explain how to handle mobile devices as sources of evidence. **[8]**

OR

Q6) a) Describe unix File system. **[8]**

b) Explain in brief Intellectual Property Rights (IPR). **[8]**

Q7) a) Explain E-mail Forgery & Tracking in detail. **[9]**

b) Write short note on: **[9]**

i) Online Anonymity & self-protection.

ii) Searching & Tracking on IRC.

OR

Q8) a) How sniffer is placed & configured for preservation, collection & documentation of digital evidence at physical layer. **[9]**

b) Explain different logs in TCP/IP related digital evidence. **[9]**

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