[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.

P.T.O.

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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