Total No. of Questions : 8]

SEAT No. :

P2462

[Total No. of Pages : 2

[5253] - 185
T.E. (Computer)
COMPUTER FORENSIC AND CYBER APPLICATIONS
(2012 Pattern) (Semester - I)

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 whenever necessary.***
3) ***Assume suitable data, if necessary.***
4) ***Figures to the right indicate full marks.***

Q1) a) Explain OSI Model with diagram. **[8]**

b) Explain schedule selection and coordination in S-MAC. **[6]**

c) Comment on language of Computer Crime Investigation. **[6]**

OR

Q2) a) Explain the functions of the following network components: **[12]**

i) Switch

ii) Bridge

iii) Gateways

iv) Repeater

b) Explain the following terms with example: **[4]**

i) Computer crime

ii) Computer Forensics

c) What is authentication and reliability related to digital evidence ? Explain Authenticity process in detail. **[4]**

Q3) a) Explain the following with example:- **[8]**

i) Digital evidence as Alibi

ii) Cyber stalking

b) How will you apply forensic science to computers? **[8]**

OR

P.T.O.

Q4) a) Enlist the important features from Indian IT act with reference to cyber crime and forensics. **[8]**

b) Comment on Violent crime and digital evidence. **[8]**

Q5) a) What is FAT file system? Compare FAT and NTFS file system. **[8]**

b) Explain patents, trademark and copyrights in detail. **[8]**

OR

Q6) a) Write short note on :- **[8]**

i) E-mail forgery

ii) Digital evidence on Mobile devices

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

Q7) a) Enlist the steps for handling digital evidence at various Layers. **[9]**

b) Explain the steps applied in forensic science for TCP/IP network. **[9]**

OR

Q8) a) What is the role of sniffer in evidence collection at physical layer? **[9]**

b) Write short note on fraud detection in mobile and wireless network. **[9]**