Total No. of Questions : 8]

SEAT No :

P1753

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[5058]-393

T.E.(Computer Engineering)

COMPUTER FORENSIC AND CYBER APPLICATIONS

(2012 Course) (Semester -I)

Time : 2.5 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) What is switching? Compare packet switching and circuit switching techniques. **[8]**

b) Explain Guided transmission media with examples. **[6]**

c) Comment on language of computer crime investigaton. **[6]**

OR

Q2) a) Explain the functions of the following network components: **[8]**

i) Switch

ii) Bridge

iii) Gateways

iv) Repeater

b) What is modus operandi? Explain with the motives behind it. **[6]**

c) Write short note on cyber attacks. **[6]**

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

i) Digital evidence as Alibi

ii) Computer intrusion.

P.T.O.

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

OR

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) Compare digital evidence on windows system & Unix systems. **[8]**

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

OR

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

i) E-mail forgery

ii) Intellectual Property Rights (IPR)

b) How will you handle digital evidence on Windows systems? **[8]**

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

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

OR

Q8) a) Explain the network basics for digital investigators. **[9]**

b) How will you detect frauds on mobile and wireless devices? **[9]**

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