Total No. of Questions : 8]

SEAT No :

P1753

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# 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.

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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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