Total No. of Questions : 8] **SEAT No. :**

PB2248 **[Total No. of Pages : 2**

[6263]-86
B.E. (Computer Engineering)
CYBER SECURITY AND DIGITAL FORENSICS
(2019 Pattern) (Semester - VII) (410244 C) (Elective - III)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***Answer 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 wherever necessary.***
3) ***Figures to the right side indicate full marks.***
4) ***Assume suitable data if necessary.***

Q1) a) What are the typical services offered by computer forensics professionals? (explain any two) **[9]**

b) What specific technologies are utilized in the field of business computer forensics? (Describe any two) **[9]**

OR

Q2) a) How does computer forensics technology vary cross different sectors like miltary law enforcement & business? **[9]**

b) What are the key components of a data recovery solutions in computer forensics? Explain in detail. **[9]**

Q3) a) What are various options available for collecting digital evidences? Explain in detail? **[8]**

b) Explain the essential steps in processing digital evidence from the crime scene? **[9]**

OR

Q4) a) What is the volatile evidence in the context of computer forensics, and why is it important to collect in quickly? **[8]**

b) What are the hypical steps involve in the collection of digital evidence? **[9]**

Q5) a) What are some common data hiding techniques? Explain any one in detail? **[8]**

b) What is the honey net project, and how does it contribute to network forensics? **[9]**

OR

P.T.O.

Q6) a) What precautions should investigators take to prevent data alteration or loss during the seicure process? Explain any one in detail? **[8]**

b) What are the challenges and best practices associated with performing remove acqisitions? **[9]**

Q7) a) Whar are the common examples of email crime & violations that may necessitate investigation? Explain any one in detail? **[9]**

b) Explain any software tool using in computer forensics investigation and its respective purpose? **[9]**

OR

Q8) Write short note (any two) **[18]**

a) Computer forensics hardware tools

b) Validating & testing forensics software

c) e-mail investigation