

Total No. of Questions : 8]

SEAT No. :

PA-1663

[Total No. of Pages : 2

[5927]-347

B.E. (Computer Engg.)

**CYBER SECURITY AND DIGITAL FORENSICS
(2019 Pattern) (Elective-III) (Semester-VII) (410244(C))**

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3, or Q4, Q5 or Q6, Q7 or Q8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data if necessary.
- 5) Use of scientific calculator is permitted.

- Q1)** a) What is computer forensics? What is the use of Computer Forensics in Law Enforcement? What are different computer forensics schemes? [9]
b) Explain in detail different Computer Forensics Services. [9]

OR

- Q2)** a) Explain in details Computer Forensics Assistance to Human Resources.[9]
b) What are the benefits of professional forensics methodology? What are steps taken by computer forensics specialist? [9]

- Q3)** a) What are evidences? What are the simple reasons to collect evidences? What are different options for collecting evidences? [8]
b) What is chain of custody? Explain the process of chain of custody. [9]

OR

- Q4)** a) What is the general procedure for evidence collection? [8]
b) What are general computer evidence processing steps? Explain in detail.[9]

- Q5)** a) Explain how to perform remote and live acquisitions with an appropriate example. [9]
b) What are the different approaches for validating forensic data? [9]

OR

P.T.O.

- Q6)** a) Brief about the approaches for seizing digital evidence at the crime scene.[9]
b) Give in detail the different techniques to hide data in digital forensics.[9]

- Q7)** a) Explain types of digital forensics tools. Also explain the task performed by these tools. [8]
b) State the features of any five computer forensics software tools. [9]

OR

- Q8)** a) Explain the role of client and server in email and some of the tools for email forensics. [8]
b) Explain the process for validating and testing forensics software. [9]