

SPPU-BE-COMP-CONTENT – KSKA Git

Total No. of Questions : 8]

SEAT No. :

PC2373

[6354]-490

[Total No. of Pages : 2

B.E. (Computer Engineering)

CYBER SECURITY AND DIGITAL FORENSICS

(Elective -III) (2019 Pattern) (Semester-VII) (410244 C)

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 indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) What are the typical steps followed by computer forensics specialists in an investigation? Explain any 2 in detail. **[8]**

b) In what ways can business benefit from computer forensics technology explain in details? **[9]**

OR

Q2) a) Explain in details different computer forensics services. **[9]**

b) Why is data backup & recovery important in computer forensics? **[8]**

Q3) a) What are the typical steps involved in the collection of digital evidence? **[9]**

b) What are the different approaches for validating forensic data? **[9]**

OR

Q4) a) Why collect evidence? collection options in digital evidence. explain in details? **[9]**

b) Discuss the various legal aspects of collecting and storing digital evidence. **[9]**

Q5) a) What are some common network tools, used in network forensics. **[9]**

b) Describe the process of seizing digital evidence at a crime or incident scene? **[8]**

OR

P.T.O.

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- Q6)** a) What is the honeynet project, how does it contribute to network forensics? [9]
b) Give in detail the different techniques to hide data in digital forensics?[8]

- Q7)** a) Write short note on. [9]
i) Tools for email forensics
ii) Computer forensics hardware tools
b) Explain the process for validating and testing forensics software. [9]

OR

- Q8)** a) What is function email server show does it store of mange e-mail data?[9]
b) Write short note on. [9]
i) Computer forensics software tools
ii) E-mail Investigations

