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B.E. (Artificial Intelligence & Machine Learning)
ETHICAL HACKING & CYBER FORENSICS
(2019 Pattern) (Semester - VII) (Elective - IV) (418545 A)

Time : 2 ½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1)   Answer Question 1 or 2, 3 or 4, 5 or 6 and 7 or 8.

2)   Neat diagrams must be drawn whenever necessary.

3)   Figures to the right indicate full marks.

4)   Assume suitable data if necessary.

Q1) a)   Explain Metaspoint with Reconnaissance example.   **[9]**

     b)   How to dentify E-Mail with malicious attachements with example.   **[9]**

                                                        OR

Q2) a)   Explain compromising windows host with meatasploit in details.   **[9]**

     b)   Describe different Social engineering toolkit and password cracking tools.
                                                                                                                                 [9]

Q3) a)   What are the different web attacks and Vulnerabilities.   **[9]**

     b)   Explore stenography techniques for hiding information?   **[8]**

                                                        OR

Q4) a)   List and Explain wireless network vulnerabilities.   **[9]**

     b)   Describe Crystallographic attacks and Counter measures.   **[8]**

Q5) a)   How to collect and Analyze digital evidence in Forensics.   **[9]**

     b)   Define Digital forensics and explain forensics Analysis techniques.   **[9]**

                                                        OR

Q6) a) What are different network forensics tools and analyze network based attack. **[9]**

b) Describe mobile device forensics procedures. **[9]**

Q7) a) Short note on **[9]**

    i) Cloud based digital forensics

    ii) Internet of things(IoT) forensics

b) Describe legal and regulatory aspects of Ethical Hacking. **[8]**

<div align="center">OR</div>

Q8) a) Investigate different ethical guideline with examples. **[9]**

b) Identify and explain forensics analysis of three Social media application. **[8]**

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