E   **Reg. No.** :

Question Paper Code: 59821

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

Elective

Information technology

15UIT921– ETHICAL HACKING & INFORMATION FORENSICS

(Regulations 2015)

Duration: Three hours   Maximum: 100 Marks

PART A - (5 x 20 = 100 Marks)

1. (a) Discuss in detail about the most common types of Networking   CO1 -U   (20)
   attacks.

   Or

   (b) Explain how the data breach occurs in the system and give some   CO1- U   (20)
   methods to prevent from data breach.

2. (a) Apply the steps involved in Social Engineering life cycle to do   CO2 -App   (20)
   vulnerabilities in an organization

   Or

   (b) Apply the web tool operations to do foot printing methods   CO2 -App   (20)

3. (a) Discuss in detail about the different types of penetration testing   CO3- Ana   (20)
   with example.

   Or

   (b) Differentiate IDS and IPS   CO3- Ana   (20)

4. (a) Explain in detail about the Computer Forensic Technology and its   CO4 -U   (20)
   working principle with an example

   Or

   (b) Explain in detail about the risk and control matrix process and its   CO4 -U   (20)
   result with an example.

5. (a) Describe the different approaches involved in Multimedia CO5- U (20)
Forensics with a proper example

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

(b) Discuss in detail about the Email Investigation process with an CO5- U (20)
example description.

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