

Code No: 156EY**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, July - 2023****CYBER SECURITY****(Computer Science and Engineering – Cyber Security)****Time: 3 Hours****Max. Marks: 75**

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Who are called computer criminals? [2]
- b) What is cybercrime? Explain. [3]
- c) What is digital evidence? [2]
- d) Explain national cyber security policy. [3]
- e) What are the challenges faced in securing mobile devices? [2]
- f) What is Authentication service security? Explain. [3]
- g) What is social media marketing? [2]
- h) What is the cost of cyber crimes? Explain. [3]
- i) What are data privacy attacks? [2]
- j) What is Data linking and profiling? [3]

PART – B**(50 Marks)**

- 2.a) Differentiate between active attacks and passive attacks.
 - b) What is Internet Governance? Discuss its challenges and constraints. [5+5]
- OR**
- 3.a) What are the differences between software attacks and hardware attacks?
 - b) Discuss in detail about the policies devised for cyber security. [5+5]
- 4.a) What is the need for computer forensics? Explain.
 - b) With a neat sketch, explain digital forensics life cycle. [5+5]
- OR**
- 5.a) What are the challenges in computer forensics? Discuss.
 - b) Explain the cyber security regulations. [5+5]
- 6.a) What is the use of registry settings in mobile devices? Discuss.
 - b) List different types of attacks that can be done on Mobile/Cell phones and explain. [5+5]
- OR**
- 7.a) Write about different types of credit card frauds and explain its consequences.
 - b) Discuss the organizational security policies and measures taken for mobile computing. [5+5]

- 8.a) What are the security risks for social media marketing? Discuss.
b) Explain about social computing and the associated challenges for the organizations. [5+5]

OR

- 9.a) List the web threats for the organizations and their consequences.
b) What are the Intellectual property rights issues of Cyber security? Discuss. [5+5]
- 10.a) Explain the basic data privacy concepts.
b) Discuss about the Indian Case of online Gambling. [5+5]

OR

- 11.a) List and explain different privacy policy languages and their significance.
b) Explain an Indian Case of Intellectual Property Crime. [5+5]

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