

B.Tech IV Year II Semester (R15) Regular Examinations April 2019

**CYBER SECURITY**

(Common to CSE &amp; IT)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is an IMEI number? What is its significance?
  - (b) Write short notes on SMS blocker.
  - (c) List various kinds of DOS attacks.
  - (d) What is steganalysis?
  - (e) What are the types of computer crimes? Explain.
  - (f) Define computer forensics.
  - (g) Briefly explain CDMA features.
  - (h) Define mobile phone forensics.
  - (i) What is a security breach?
  - (j) What is cookie? How does it compromise privacy of a user?

**PART – B**

(Answer all five units, 5 X 10 = 50 Marks)

**UNIT – I**

- 2 Describe various kinds of attacks on mobile/cell phones.

**OR**

- 3 Elaborate on various authentication services in mobile devices.

**UNIT – II**

- 4 Describe various password cracking methods.

**OR**

- 5 Write short notes on the following:

- (a) Buffer overflow attacks.
- (b) Trojan Horse.

**UNIT – III**

- 6 Explain the digital forensic life cycle.

**OR**

- 7 Describe how OSI layer 7 is relevant in computer forensics.

**UNIT – IV**

- 8 Compare the hardware characteristics of hand held devices in basic, advanced and smart variants.

**OR**

- 9 Describe toolkits available for hand held device forensics.

**UNIT – V**

- 10 Describe the risks of social media marketing.

**OR**

- 11 Elaborate on the forensic best practices for organizations.

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