



P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Second Semester, Master of Computer Applications (MCA)

Semester End Examination; October - 2022

Cyber Security

Time: 3 hrs

Max. Marks: 100

Course Outcomes

The Students will be able to:

CO1: Explain cyber crime and how criminals plan the attacks.

CO2: Discuss tools and methods used in Cybercrime.

CO3: Industrial security challenges and attacks on mobile/ cell phones.

CO4: Summarize complete information about computer forensics.

CO5: Explain social, political, ethical and psychological dimension on cybercrime.

Note: I) Answer any **FIVE** full questions, selecting **ONE** full question from each unit.

II) Any **THREE** units will have internal choice and remaining **TWO** unit questions are compulsory.

III) Each unit carries 20 marks.

Q. No.	Questions	Marks	BLs	COs	POs
UNIT - I		20			
1 a.	Discuss any five classifications of cybercrimes.	10	L1,2	CO1	PO1,2,3,4
b.	Explain the phases which are involved in Planning cyber crime in detail.	10	L2	CO1	PO1,2,3,4
UNIT - II		20			
2 a.	What is phishing? Illustrate how phishing works?	10	L1,2	CO2	PO1,2,3,4
b.	Explain key loggers and spywares.	10	L2	CO2	PO1,2,3,4
UNIT - III		20			
3 a.	Discuss about; i) Vishing and ii) Smishing.	10	L3	CO3	PO1,2,3,4
b.	List the types and techniques of credit card frauds and explain in detail.	10	L2	CO3	PO1,2,3,4
OR					
3 d.	Explain the different methods of phishing.	10	L2	CO3	PO1,2,3,4
e.	Outline the different types of Identity Theft.	10	L3	CO3	PO1,2,3,4
UNIT - IV		20			
4 a.	Explain in detail about Digital Forensics Life Cycle.	10	L2	CO4	PO1,2,3,4
b.	Write about essential Toolkits for Hand-Held device and Digital forensics.	10	L2	CO4	PO1,2,3,4
OR					
4 d.	Illustrate the security issues that are associated with social networking sites.	10	L2	CO4	PO1,2,3,4
e.	Discuss smart phone forensics and iphone forensics.	10	L2	CO4	PO1,2,3,4

UNIT - V

20

5 a. Explain the intellectual property in the cyberspace concern to copyright and patent.

10 L2 CO5 PO1,2,3,4

b. Discuss about sociology of cyber criminals.

10 L2 CO5 PO1,2,3,4

OR

5 d. Illustrate the Ethical dimension of cyber crimes.

10 L2 CO5 PO1,2,3,4

e. Discuss about the psychology mindset and skills of hackers.

10 L2 CO5 PO1,2,3,4

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