

Total No. of Questions: 6

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Enrollment No.....



Faculty of Engineering
End Sem (Even) Examination May-2019
CS2EL03 Cyber Security

Programme: Diploma

Branch/Specialisation: CSE

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

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|-----|------|---|---|
| Q.1 | i. | Spoofing is an example of: | 1 |
| | | (a) Date Security (b) Web Security | |
| | | (c) Hacking (d) None of these. | |
| | ii. | Software Piracy is | 1 |
| | | (a) Software Development process | |
| | | (b) Cyber crime | |
| | | (c) Hacking | |
| | | (d) None of these | |
| | iii. | Viruses is a | 1 |
| | | (a) Malware Function (b) Technical Bug | |
| | | (c) Both (a) and (b) (d) None of these | |
| | iv. | Web servers hacking can. | 1 |
| | | (a) Cause Physical damage to system | |
| | | (b) Cause virtual damage to system | |
| | | (c) Both (a) and (b) | |
| | | (d) None of these. | |
| | v. | Proxy Servers are example of. | 1 |
| | | (a) Bypass system (b) Ethical Hacking | |
| | | (c) Both (a) and (b) (d) None of these | |
| | vi. | Phishing is an example of. | 1 |
| | | (a) Aliasing (b) Hacking | |
| | | (c) Fishing Technique (d) None of these | |

P.T.O.

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- vii. IT ACT 2000 is built for the protection from. **1**
 (a) Physical Crime (b) Cyber Crime
 (c) Both (a) and (b) (d) None of these
- viii. Cyber Crimes can be minimized by **1**
 (a) Spreading awareness among internet users.
 (b) Sharing personal information on unauthorised websites.
 (c) Both (a) and (b)
 (d) None of these
- ix. Password Cracking is an example of **1**
 (a) Heat and Trial method (b) Backtracking method
 (c) Dynamic programming (d) None of these
- x. Cyber Forensics Investigation involves **1**
 (a) Data stored in computer hard drive
 (b) Electronic document altered or tampered
 (c) Both (a) and (b)
 (d) None of these
- Q.2 i. How will you make classifications of Cybercrimes? **2**
 ii. Explain the way through which Software Piracy can be minimized. **3**
 iii. What do you understand by web jacking? Explain it in detail with the help of an example. **5**
- OR iv. Explain the condition in which SSH protocols are used. **5**
- Q.3 i. Write three examples related to Cybercrime. **2**
 ii. Write a note on mishing, vishing and smishing. **8**
- OR iii. What do you understand by session hijacking. Explain with the help of examples and suitable diagram. **8**
- Q.4 i. Write down three tools mainly used in cybercrime. **3**
 ii. Write down the differences between Trojan Horses and Phishing. **7**
- OR iii. Write a note on the methods of attack on wireless networks. **7**
- Q.5 i. Discuss the methods of management of Electronic Records. **4**
 ii. How does IT ACT 2000 and Indian Evidence Act preserve the rights of internet users? **6**

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- OR iii. What are the different Strategies through which cybercrime can be tackle. **6**
- Q.6 Attempt any two:
- i. Write a note on various Encryption and Decryption methods. **5**
 ii. Discuss the methods of recovering deleted evidences. **5**
 iii. What do you mean by Cyber Forensics Investigation. **5**

Marking Scheme
CS2EL03 Cyber Security

Q.1	i.	Spoofing is an example of: (d) None of these.	1
	ii.	Software Piracy is (b) Cyber crime	1
	iii.	Viruses is a (a) Malware Function	1
	iv.	Web servers hacking can. (c) Both (a) and (b)	1
	v.	Proxy Servers are example of. (a) Bypass system	1
	vi.	Phishing is an example of. (d) None of these	1
	vii.	IT ACT 2000 is built for the protection from. (b) Cyber Crime	1
	viii.	Cyber Crimes can be minimized by (a) Spreading awareness among internet users.	1
	ix.	Password Cracking is an example of (a) Heat and Trial method	1
	x.	Cyber Forensics Investigation involves (c) Both (a) and (b)	1
Q.2	i.	Three points on classifications of Cybercrimes	2
	ii.	Two ways through which Software Piracy can be minimized. 1.5 mark for each (1.5 mark *2)	3
	iii.	Web jacking 2 marks Explanation with example. 3 marks	5
OR	iv.	Seven condition in which SSH protocols are used.	5
Q.3	i.	Three examples related to Cybercrime.	2
	ii.	Mishing 3 marks Vishing 3 marks Smishing. 2 marks	8
OR	iii.	Session hijacking 4 marks Examples 2 marks Diagram. 2 marks	8

Q.4	i.	Three tools mainly used in cybercrime. 1 mark for each (1 mark * 3)	3
	ii.	Five points on differences between Trojan Horses and Phishing.	7
OR	iii.	Methods of attack on wireless networks. 4 marks Types 3 marks	7
Q.5	i.	Two methods of management of Electronic Records. 2 marks each (2 marks * 2)	4
	ii.	Explain 2 sections 2 marks each (2 marks * 2) 4 marks	6
OR		IT ACT 2000 2 marks	
	iii.	Any four Strategies through which cybercrime can be tackle 1.5 marks for each (1.5 marks * 4)	6
Q.6		Attempt any two:	
	i.	Encryption At least two methods 2.5 marks	5
		Decryption methods. At least two methods 2.5 marks	
	ii.	Methods of recovering deleted evidences. Recovering software Tool Names 2 marks Methods 3 marks	5
	iii.	Cyber Forensics 2 marks How Investigation done 3 marks	5
