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Name of Examination : **Winter 2020** - (Preview)

Course Code & Course Name : **CO305UX - Open Elective-I-Professional Ethics and cyber Security**

Generated At : **19-04-2022 10:34:08**

Maximum Marks : **60**   Duration : **3 Hrs**

Edit   Print   View Answer Key   Close   **Answer Key Submission Type:** Marking scheme with model answers and solutions of numerical

Instructions:

1. *All questions are compulsory*
2. *Attempt any two sub-questions from que . no 1, 2 and 3*
3. *Attempt both the sub-questions from que. no. 4 and 5*
4. *Illustrate your answer with suitable figures/sketches wherever necessary.*
5. *Assume suitable additional data; if required.*
6. *Use of logarithmic table, drawing instruments and non programmable calculators is allowed.*
7. *Figures to the right indicate full marks.*

1) a)	What is risk analysis? Explain various steps in risk analysis	[6]
b)	What is Email spoofing? Explain malicious use of Email spoofing	[6]
c)	State and explain various components of professional ethics	[6]
2) a)	What is cybercrime ? What are different types of cybercrimes	[6]
b)	What is security attack? explain any six security attacks	[6]
c)	What is credit card fraud? How do credit card frauds happen?	[6]
3) a)	Draw and Explain working of firewall	[6]
b)	What is DoS attack? Explain various types of DoS attack?	[6]
c)	Explain OpenSSL and Stunnel HTTP utilities	[6]
4) a)	What is brute force tool? What are the various password cracking tools?	[6]
b)	State and explain various counter measures for DoS attacks	[6]
5) a)	What is vulnerability scans? What are the types of vulnerability scans?	[6]
b)	What is Network Address Translation? What is Network Address Translation used for?	[6]

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