



# GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

National Highway No.6, JALGAON – 425 002

Phone No.: 0257-2281522

Fax No.: 0257-2281319

Website : www.gcoe.ac.in

E-mail : princoe@rediffmail.com



Name of Examination : **Summer 2021** - (Preview)

Course Code & Course Name : **CO354UA - Professional Ethics and Cyber Security**

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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. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

- 1) Solve all
  - a) Explain the professionalism with suitable examples including various characteristics. [6]
  - b) Explain the suitable professional rights and the employee rights gained by employees at workplaces. [6]
- 2) Solve all
  - a) [6]
 

What are risks management steps? Explain four major forms of knowledge of risks in organization with example?
  - b) Explain various types of global ethical problems and its issues. [6]
- 3) Solve any two
  - a) Explain the various types of hackers? Mention the suitable prevention techniques and law against hacking. [6]
  - b) Explain various password sniffing attacks including precautionary measures against password Sniffing attacks. [6]
  - c) With the schematic representation explain the working of packet filtering firewall including its advantages and disadvantages. [6]
- 4) Solve any two
  - a) Explain how and why SQL injection attacks are performed with SQL injection attack types. [6]
  - b) Explain the password cracking attack methods with preventing methods against it [6]
  - c) Explain the banner grabbing technique in system vulnerability scanning with example. [6]
- 5) Solve any two
  - a) How does Network Address Translation modify incoming and outgoing packets explain it with NAT types schematic representations. [6]
  - b) Explain why we need a virtual private network (VPN) including its working and types? [6]
  - c) Explain how password cracking works with one of the tool. [6]

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