

**GANPAT UNIVERSITY**  
**B. TECH SEM-VI (CE/IT/CE-IOT)**  
**FIRST INTERNAL EXAMINATION – FEBRUARY-MARCH 2023**  
**2CEIT6PE7: Ethical Hacking**

TIME: 1 Hour

TOTAL MARKS: 20

- Instructions:**
- 1) Figures to the right indicate full marks.
  - 2) Be precise and to the point in your answer.
  - 3) The text just below marks indicates the Course Outcomes Numbers, (CO) followed by Bloom's taxonomy level of the question, i.e., R: Remembering, U: Understanding, A: Applying, N: Analyzing, E: Evaluating, C: Creating.

- Q.1** Consider the following scenario: [04]  
 A company recently hired a team of ethical hackers to test the security of network systems. The company did not provide any details other than a company name. What phase of ethical hacking would the team start the testing? Explain it in detail. 3RU
- Q.2** Solve the following: [02]  
 a. Write the google dork to display an excel file containing email-ids & passwords from the domain "target.com". 1A  
 b. Calculate the number of IP addresses listed by the following command:  
 nmap -sL 190.86.168.0/22.
- Q.3** List the types of Inverse TCP flag scanning. Elaborate on each scan in detail with the necessary diagram. Write the NMAP switch for each scanning. [06]  
 3R
- Q.4** Choose the right word to fill in the following blank: [08]  
 3RU
- a. \_\_\_\_\_ hackers are those who work for both, black hat and white hat hackers.
  - b. \_\_\_\_\_ hackers are considered the vigilantes of the hacker world. They work by targeting Black Hat hackers to cease their criminal activities or disclose their real identity to the public.
  - c. Ethical hacking is also known as \_\_\_\_\_ Hacking or \_\_\_\_\_ Testing.
  - d. \_\_\_\_\_ is a sequential process of several hacking or attacking attempts to gain access to a network or systems, one after another, using the same information and the information obtained from the previous attempt.
  - e. \_\_\_\_\_ is the notion among hackers that something is worth doing or is interesting.
  - f. The term \_\_\_\_\_ refers to Publishing information or a set of information associated with an individual. This information is collected publicly, mostly from social media or other sources.
  - g. Level of Security in any system can be defined by the strength of three components. The relationship between these three components (1. \_\_\_\_\_, 2. \_\_\_\_\_, and 3. \_\_\_\_\_) are demonstrated by using a triangle because "Increase or Decrease in any one of the components automatically affects the other two components."
  - h. \_\_\_\_\_ is a kind of hacking method used by cybercriminals to establish an illegal, long-term connection with their target's network, looking to steal highly valuable information for personal and/or financial gain.

-----END OF PAPER-----