

Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary Summer Examinations 2024

Course: B. Tech. Branch: Computer Science and Engineering (Artificial Intelligence)

Semester: VII

Subject Code & Name: Cyber Security (BTAIPE704A)

Max Marks: 60

Date: 08/07/2024

Duration: 3 Hr.

Instructions to the Students:

1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

	(Level/CO)	Marks
Q. 1 Solve Any Two of the following.		12
A) Describe the architecture of cyberspace and how it facilitates communication and information exchange over the internet.	Understand/CO 1	6
B) Explain the concept of the World Wide Web (WWW) and its role in making information accessible over the internet.	Understand/CO 1	6
C) Define cyberspace and explain its significance in modern society.	Understand/CO 1	6
Q.2 Solve Any Two of the following.		12
A) Describe common types of cybercrimes, such as financial frauds and social engineering attacks, and their impact on individuals and organizations.	Understand /CO2	6
B) Explain the concept of zero-day and zero-click attacks, and discuss their potential impact on cybersecurity.	Understand/CO 2	6
C) Describe the steps involved in reporting a cybercrime to the appropriate authorities, emphasizing the importance of timely and accurate reporting.	Understand/CO 2	6
Q. 3 Solve Any Two of the following.		12
A) Using examples, illustrate how hashtags and viral content contribute to the spread of information on social media platforms.	Understand/CO 3	6
B) Explain the concept of social media monitoring and its significance in online reputation management.	Understand/CO 3	6
C) List the laws and regulations regarding the posting of inappropriate content on social media platforms.	Remember/CO 3	6
Q.4 Solve Any Two of the following.		12
A) Explain the elements of e-commerce security and why they are essential for maintaining trust and integrity in online transactions.	Understand/CO 4	6

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| B) Explain the various modes of digital payments, including their features, advantages, and limitations. | Understand/CO
4 | 6 |
| C) Describe common frauds associated with digital payments and propose preventive measures to safeguard against them. | Understand/CO
4 | 6 |

Q. 5 Solve Any Two of the following.

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| A) Define endpoint device security and explain its importance in protecting digital devices from cyber threats. | Understand/CO
5 | 6 |
| B) Explain the significance of a password policy in enhancing digital device security. What are the key components of an effective password policy? | Understand/CO
5 | 6 |
| C) List common Wi-Fi security threats and vulnerabilities faced by digital devices in wireless networks. | Remember/CO
3 | 6 |

***** End *****

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