

Integ. MSc (CS) Sem.-5 Examination

Cyber Security

January-2024

Time : 3-00 Hours]

Total Marks: 35

Instructions:

- Draw Diagrams wherever necessary.

Q-1 Answer the following. (Any Eleven)

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1. Describe Cyber Crime.
2. What exactly is identity theft?
3. Give four examples of cybercrime against the government.
4. What is a vulnerability?
5. Describe the cyber kill chain and names of the phases.
6. Write a full form of OWASP.
7. What is Cryptography?
8. Write a definition of Darkweb.
9. What exactly is Blockchain?
10. Confidentiality, Integrity, and Availability form what is often called the _____.
11. A symmetric encryption scheme has five ingredients: plaintext, encryption algorithm, ciphertext, decryption algorithm and _____.
12. Child pornography is an offence under section _____.
13. Port number _____ is used for PoP3.

Q-2 Attempt the following:

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1. Explain the differences between threats and vulnerabilities.
2. Write down any three forms of cybercrime.

OR**Q-2 Attempt the following:**

1. Explain Cyber Kill Chain in details.
2. Brief National Cyber Security Policy of India.

Q-3 Attempt the following:

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1. Explain any three vulnerabilities from OWASP's top 10.
2. What is the chain of custody in digital forensics?

OR**Q-3 Attempt the following:**

1. Brief any three social media crimes along with its cyber law.
2. What is Common Vulnerabilities and Exposures? explain.