

# **Cybersecurity Assessment - 1**

## **Section A: Multiple Choice Questions (1 Mark Each) – [5 Marks]**

**1. What does Integrity in cybersecurity ensure?**

- a) Only authorized users can access data
- b) Data is protected from unauthorized modification
- c) Data is always available
- d) None of the above

**2. Which of the following is an example of Authentication?**

- a) Entering a username
- b) Viewing a file
- c) Entering a password or OTP
- d) Editing a document

**3. Which statement about Availability is true?**

- a) Ensures that data remains confidential
- b) Ensures systems and data are accessible when needed
- c) Ensures that only authorized users can access a system
- d) Prevents unauthorized data modification

**4. What is the primary function of Authorization?**

- a) Proving user identity
- b) Granting permissions based on user roles
- c) Tracking user activities
- d) Encrypting sensitive data

**5. Which is NOT an example of Accountability?**

- a) CCTV footage recording visitor entries
  - b) System logs tracking user logins
  - c) Allowing access to a file based on permissions
  - d) Bank transaction history
- 

**Section B: Short Answer Questions (2 Marks Each) – [6 Marks]**

- 6. Define Integrity in cybersecurity and give one real-world example.
  - 7. What are the three types of Authentications? Give an example for each.
  - 8. Explain Accountability with a real-world example.
- 

**Section C: Scenario-Based Questions (3 Marks Each) – [9 Marks]**

- 9. A company allows employees to log in to their accounts using a **username and password**. But, to approve financial transactions, they need to enter an **OTP** received on their mobile phone.
    - **Which security principles** are being applied here? (Explain your answer)
  - 10. A university student logs into the library system with their **student ID and password**. They can **search for books and borrow them**, but **cannot modify book records**.
    - Which **IAAA principles** are being followed here? Explain how.
  - 11. A hacker tries to delete customer records in a company's database. The system **prevents deletion** because of security rules.
    - Which cybersecurity principle is at work? Why is it important?
- 

✅ **Total: 20 Marks**

💡 **Tip: Be clear and give real-world examples in your answers!** 🚀

---

**Ednue Technologies | Your Learning Partner!**

💡 **Want to enhance your skills further?**

👉 Visit [ednue.com](https://ednue.com) for advanced courses & mentorship programs! 🚀 **Good Luck & Happy Learning!** 🎉