

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (Cyber Security) (Sem.-2)

FUNDAMENTALS OF CYBER SECURITY

Subject Code : UGCA-1971

M.Code : 91716

Date of Examination : 15-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION-A

1. Write briefly :

- a) What is the importance of Cyber Security?
- b) Define Authentication.
- c) Define Malware.
- d) What is email security?
- e) Write about IT Act 2000.
- f) Write at least two preventive measures to protect from Banking frauds.
- g) Define Incident Handling.
- h) Define Credit Card Frauds.
- i) What is a Hacker? What are various types of Hackers?
- j) What do you mean by Digital Infrastructure?

SECTION-B

2. Write the guidelines for setting up a secure password. Also describe two-step password authentication scheme.
3. Discuss some potential threats to online banking. Also suggest counter measures to secure online banking systems.
4. What kind of attacks are possible on Mobile/Cell phones? Explain by taking suitable examples.
5. Discuss in detail various counter cyber security initiatives taken in India.
6. What is the significance of Cyber Security Threat Landscape? Discuss in detail.
7. **Write note on :**
 - a) Types of Firewalls.
 - b) Defensive Programming.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.