

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

**BCA (Sem-6)**  
**INFORMATION SECURITY**  
Subject Code : UGCA 1948  
M.Code : 91695  
Date of Examination: 27-05-2023

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 Security Assurance?
- b) Define Intruder.
- c) Define role of cryptography.
- d) Who are called Computer Criminals?
- e) What is Information Security?
- f) What are Threats in Network?
- g) Explain Software Failures.
- h) Differentiate between authentication and authorization.
- i) What is an Attack?
- j) What are the Rights of Employees and Employers in Administering Security?

## SECTION-B

2. Discuss the File protection mechanisms in detail?
3. Discuss different steps involved in Security System Development Life cycle?
4. With the suitable example illustrate the effect of Virus and their types the computer System.
5. Explain the principle of Public Key Cryptosystem? Write the fundamentals of RSA Algorithm?
6. Give the overview of Firewalls. What are its design principle and its types?
7. **Explain:**
  - a) Electronic Mail Security
  - b) Web Security.

**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.**