1. \_\_\_\_\_\_\_\_\_\_\_ is a weakness that can be exploited by attackers.

a) System with Virus b) System without firewall

c) System with vulnerabilities d) System with a strong password

2. The field that covers a variety of computer networks, both public and

private, that is used in everyday jobs is \_\_\_\_\_\_\_\_\_

a) Artificial intelligence b) ML

c) Network security d) IT

3. Which is not an objective of network security?

a) Identification b) Authentication

c) Access control d) Lock

4. Which software prevents the external access to a system?

a) Firewall b) Gateway

c) Router d) Virus checker

5. Which of these is a part of network identification?

a) UserID c) Password

c) OTP d) Fingerprint

6. Who among the following is a gatekeeper?

a) Reader b) viewer

c) Listener d) editor

7. Which of the following malware do not replicate or reproduce through infection?

a) Worms c) Trojans

b) Viruses d) Rootkits

8. \_\_\_\_\_\_\_ is the science and art of transforming messsages to make them secure and immune to attacks

a) Cryptography b) Calligraphy

c) Cryptanalysis d) None of the above

9. In symmetric-key cryptography, the key locks and unlocks the box is

a) Shared c) Same

b) Private d) Public

10. RSA algorithm is \_\_\_\_\_\_\_\_\_ Cryptography algorithm.

a) Systematic b) Policy

c) Asymmetric d) Symmetric

11. \_\_\_\_\_\_\_\_\_ works in background and steals sensitive data.

a) Virus b) Shareware

c) Trojan d) Adware

12. Which one of the following is not an application hash functions?

a) One-way password file b) Key wrapping

c) Virus detection d) Intrusion detection

13. A digital signature is a mathematical technique which validates?

a) Authenticity b) Integrity

c) Non-repudiation d) All of the above

14. Devices on one network can communicate with devices on another network via a-

a) File server b) Utility server

c) Printer server d) Gateway

15. When a hash function is used to provide message authentication,

the hash function value is referred to as

a) Message Filed b) Message Digest

c) Message Score d) Message Leap