

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : DECEMBER – 2022

B.Sc.-COMPUTER TECHNOLOGY

MAXIMUM MARKS: 70

V SEMESTER

TIME : 3 HOURS

PART - III

INFORMATION SECURITY

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. What is meant by encryption?
7. Expand DES.
8. What is meant by public key?
9. Expand GSM.
10. What is Intrusion?

(CONT'D.....2)

SECTION – B**(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Discuss the Need For Security.

(OR)

12. b) Explain about Substitution Techniques.
a) Explain the working principles of DES.

(OR)

b) Write a note on Digital Signature.

13. a) Explain the features of PKIX Model.

(OR)

b) Describe the functions of Hyper Text Transfer Protocol.

14. a) Explain the Security in GSM

(OR)

b) Write about Kerberos.

15. a) Discuss the Cryptographic Solution Using JAVA.

(OR)

b) Explain the importance of Virtual Private Networks.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS.
(FROM Qn. No : 17 to 21) (K4/K5)**

16. Describe the types Of Attacks.
17. Explain the concept of Cryptography.
18. Demonstrate the principles of RSA Algorithm.
19. Explain the functions of Secure Socket Layer.
20. How does PGP Works? Explain.
21. Explain the types of firewall.
