

(FOR THE CANDIDATES ADMITTED

23UCS516

DURING THE ACADEMIC YEAR 2023 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS :NOVEMBER-2025

BSC.COMPUTER SCIENCE-Aided & SF

MAXIMUM MARKS: 75

SEMESTER-V

TIME : 3 HOURS

PART - III

23UCS516-CYBER SECURITY

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

1. ----- is a component of cyber security.
a) Internet Of Things b) AI c) Network security d) Attacks
2. ----- a type of cyber attack
a) Phishing b) SQL Injections c) Password Attack d) All of the above
3. -----type of IDS monitors network traffic and logs malicious behaviour.
a) Host-based IDS (HIDS) b) Network-based IDS (NIDS) c) Hybrid IDS d) Perimeter IDS
4. -----of the following is a component of a Network Management Station (NMS).
a) Managed Node b) Agent c) Management Application d) All of the above
5. ----- protocol is primarily used for sending emails.
a) IMAP b) POP3 c) SMTP d) HTTP

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. State design guidelines in Cyber Security.
7. Define message Digest.
8. Give an example for malicious software.
9. What is a Recall security plan?
10. State the need of email Policy.

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) List some qualities of a good network and explain it.
(OR)
b) Examine the various infrastructure components of network security with neat diagram.
12. a) Discuss in detail the public key cryptography with example.
(OR)
b) Write short notes on Datawarehouse control and security.

13. a) Narrate the concept of Network Based IDS with neat diagram.
(OR)
b) Give brief notes on Firewalls.
14. a) Demonstrate the Simple Network Management Protocol with a neat diagram.
(OR)
b) List the various requirements of Security System and explain about it.
15. a) Define Threat and explain in detail Email Threats with example.
(OR)
b) Enumerate the concept of schematic flow of Internet Banking.

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)**

16. a) Write the steps to build a Security Procedure and explain it.
(OR)
b) Classify the various Security models and explain it with neat diagrams.
17. a) Elaborate the DES Cryptographic algorithm.
(OR)
b) Analyse the various Database Security issues with example.
18. a) Explain in detail the infrastructure of IDS with neat diagram.
(OR)
b) Describe the various Intrusion Detection tools.
19. a) Discuss in detail about the Network Management Model.
(OR)
b) Evaluate the concept of Exchanges of Information and Software.
20. a) Criticize the concept of Creating and Publishing the E-mail policy.
(OR)
b) Demonstrate the concept of layered approach to security and its types.

Ethical paper