

GOVERNMENT POLYTECHNIC MUMBAI
Department of Information Technology

TEST: 2

TERM : ODD 2024-25

Course Name: NIS

Course Code: IT23111

Programme: Diploma in Information Technology

Marks:20

Q.1 Attempt the following (6 Marks)

- a) Define Cryptography.
b) State the need of firewall.
c) State IDS.

CO3/L
CO3/U
CO4/U

Q.2 Attempt the following (8 Marks)

- a) Explain Caesar's cipher with example

CO3/A

OR

- a) Explain procedure of steganography with neat diagram.

CO3/U

- b) Explain circuit level gateway with neat diagram.

CO4/A

OR

- b) Explain DMZ network with neat diagram.

CO4/U

Q.3 Attempt any TWO of the following (6 Marks)

- a) Distinguish between Symmetric and Asymmetric Cryptography.
b) Draw a diagram for digital signature.
c) Write a short note on host based IDS

CO3/A
CO3/A
CO4/U