

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.~~

CO3/L

~~b) State the need of firewall.~~

CO3/U

~~c) State IDS.~~

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.~~

CO3/A

b) Draw a diagram for digital signature.

CO3/A

~~c) Write a short note on host based IDS~~

CO4/U