

Seat No.: _____

Enrolment No. _____

Government Polytechnic Palanpur
Information & Communication Technology
Progressive Assessment I (September - 2025) Sem - 5

Sub Name & Code: CS (4353204)

Time: 11:30 AM TO 12:30 PM

Date: 04/09/2025

Total Marks: 20

Q-1 Answer Following Questions

[10]

- (a) Explain various security attacks, mechanisms, and services associated with each layer of the OSI model.
- (b) Describe CIA triad with example.

[7] A CO1

[3] U CO1

OR

Q-1 Answer Following Questions

[10]

- (a) Explain MD5 hashing and Secure Hash Function (SHA) algorithms.
- (b) Explain Public key and Private Key cryptography.

[7] A CO1

[3] U CO1

Q-2 Answer Following Questions

[10]

- (a) Explain working of packet filter and application proxy.
- (b) What is authentication? Explain different methods of authentication.

[7] A CO2

[3] U CO2

OR

Q-2 Answer Following Questions

[10]

- (a) Explain different types of malicious software and their effect.
- (b) What is firewall? List out types of firewalls.

[7] A CO2

[3] U CO2

----- ***All the Best*** -----