

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

(a) Explain various security attacks, mechanisms, and services associated with each layer of the OSI model. [7] A CO1
(b) Describe CIA triad with example. [3] U CO1

OR

Q-1 Answer Following Questions

(a) Explain MD5 hashing and Secure Hash Function (SHA) algorithms. [7] A CO1
(b) Explain Public key and Private Key cryptography. [3] U CO1

Q-2 Answer Following Questions

(a) Explain working of packet filter and application proxy. [7] A CO2
(b) What is authentication? Explain different methods of authentication. [3] U CO2

OR

Q-2 Answer Following Questions

(a) Explain different types of malicious software and their effect. [7] A CO2
(b) What is firewall? List out types of firewalls. [3] U CO2

All the Best
