

Sr No.	Topic	Subtopics to be covered
1	Impact of technology on new age banking	Legacy banking systems vs New Age banking, other general topics like Mobile Banking
2	Different connectivity options	File based, H2H, API and their advantages and drawbacks
3	API	What is API, how is it preferable over previous options, difference between API and webservice
4	Basics of networks	LAN, WAN, firewalls, IP and ports
5	Overview of network protocols	IPv4, IPv6, DNS, sftp, ftp, http
6	HTTP vs HTTPS	SSL, TLS
7	Types of API services	SOAP vs REST, advantages of each and drawbacks, WSDL, json vs xml, get vs post
8	API testing tools	Postman, SoapUI
9	Encryption basics	Cryptology vs Cryptanalysis, Encryption principles (Confidentiality, Integrity, Availability, Non repudiation), Symmetric vs Asymmetric encryption
10	Encryption algorithms	AES for Symmetric, RSA for Asymmetric
11	Checksum	Hash algorithms MD5, SHA etc
12	Authentication mechanism	token, OAuth2 (client id, client secret),