

Government Engineering College, Dahod
Computer Department
7th Semester
INS Mid Semester Syllabus

All Students are hereby informed that questions from following units (As per GTU Syllabus) will be asked in mid semester exam for the subject of INS.

Unit	Topics
1	Symmetric Cipher Model, Cryptography, Cryptanalysis and Attacks; Substitution and Transposition techniques
2	Stream ciphers and block ciphers, Block Cipher structure, Data Encryption standard (DES) with example, strength of DES, Design principles of block cipher, AES with structure, its transformation functions, key expansion, example and implementation
3	Multiple encryption and triple DES, Electronic Code Book, Cipher Block Chaining Mode, Cipher Feedback mode, Output Feedback mode, Counter mode