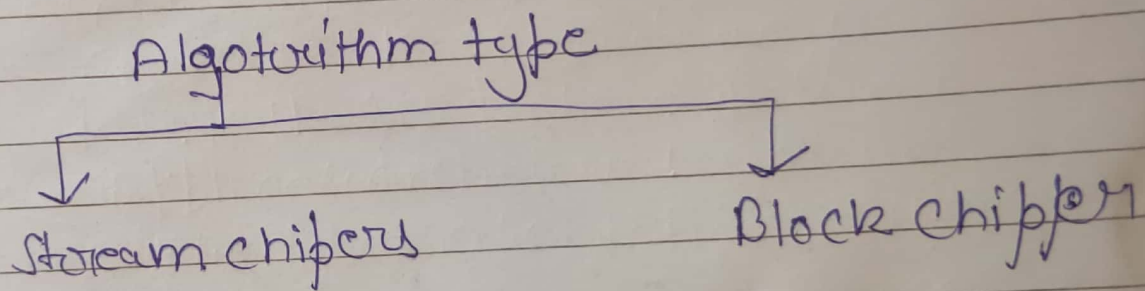


Ans 2 It is the science of writing secret code using mathematical techniques. They many schemes used for enciphering constitute that area of study known as cryptography.

cryptography Algorithm



Stream cipher :- Stream cipher techniques involves the incryption of one plaintext bit at a time. The decryption also happens one bits at a time. A stream cipher is a type of symmetric encryption.

Block cipher :- Block cipher techniques involves the encryption of one block of text at a time. Decryption also takes one block of ~~one~~ encrypted text at a time.

### Principles of cryptography

- ① Confidentiality
- ② Data integrity
- ③ Authentication
- ④ Non-repudiation.