**BLOCK CHAIN ASSIGNMENT-1**

**Q1: Block chain**

Block chain is an emerging technology used for recording some information . And, it’s a mix of technology – Distributed Database and Cryptography . It is similar to a digital ledger, stored in a distributed network.

**Q2: Problems overcome by Blockchain**

* + No hacking
  + Huge security boost
  + Verifiable
  + Data transparency
  + Decentralised
  + Data security

**Q3: Features of Block chain**

* + Verifiable
  + Unchangeable
  + Tamper-proof
  + Immutable

**Q4: What all things a Block contain?**

* + Block number
  + Transaction records
  + Previous block signature

**Q5: Verifiability**

First, we generate a fingure print for the original document. To verify these documents, we can another fingure print for the document along with the previous fingure print generated. When the current fingure print matches with everyone’s current one, Then it is said to be verified. Simply expressed as,

Block 1 -> A+B => C

Block 2 -> C+D => E

A is always 0 for genesis block

B and D are the documents

C is the figure print of original document and this is used in generating the new fingure print E.