Blockchain Development.
9. Solve any two of the following (5 marks each)
→ Blockchain is a decentralized digital ledger  that records transactions securely. Each  black Contains data, a timestamp, and a  hash of the previous black, ensuring  immutability. Transactions are ralidated  using Consensus mechanisms like Proof of  INLOYK (POW) or Proof of Stake (Pos);  making blockchain and trustless.
2) What are Smart Contracts, and how do they function in Blockchain?  Smart Contracts are self-executing program on the blockchain that run automatically when Conditions are met. They eliminate intermediaries, enruring fast and Secure transactions Written in languages like Salidity, they are widely used in Defi
3 What are the key benefits of Blockchain  Develo technology?  -) Decentralization - No central authority,
reducing single points of failure.  2) Security - (nyptographic encryption makes  transactions tamper-proof.
3) Transparency - Transactions are visible  to all participants.  9) Immutability - Data Cannot be attered
5) Efficiency - Réduces intermediaries,
speeding up provesses.