22-52-04

(b) cryptocumency

Bitcoin US Ethereum

(ii) how

Cili) DeFi

Solution (a) (i) Transactions

The record of an event, cryptographically secured with a digital signature, that is verified, ordered, and bundled together into blocks, form the transactions in the Block chain.

(ii) Immutable ledgers

un changing over time

(iii) Decentralized peers

each MoDE has a copy of the ledger

(iv) Consensus algorithme

all the peers reach a common agreement

about the prosont state of the distribute

ledger

(V) Smart Contracts

Are simply computer programs—that execute predefined actions when certain conditions within the system are met.

- (b)(i) @ Bitcoin is cryptocurlancy

  @Bitcoin use Proof of work (POW) Congensus Algorithm
- 3 Ethereum is a public blockchain platform with it own cryptocurrency, called Ether (ETH)
- @Etheroum use proof of stake (pos) as congensus Algorithm
- (ii) This can provide trust into business and increas the speek and efficiency of transactions eliminate intermediaries, which will result in the improvement of overall business performance (iii) ODef: use decentralized technology to offer financial service only products eg. lending and borrowing, trading, insurance, etc.
- 2 Benefit
  - (1) Decentralization
  - (2) Access i bility
  - (3) Transparency
  - (4) Security

3Risk
(1) Volatility
(2) Immature Technology
(4) Scaling \$\frac{1}{2}; sk