Q1. What is your understanding of blockchain?

Ans. It is actually a combination of mix of technologies: Distributed database and Cryptography. These technologies will create much wanted transparency and trust in system by removing middleman.
There is no third party or middleman involved. Trust lies within the community itself. Everyone in the network validates the transactions.

Q2. What is the core problem Blockchain trying to solve?

Ans. Blockchain is used to avoid hacking into the database and offering tamper-proof database. That means no one alter the transactions. It gives a huge security boost. It offers data transparency over the network.It works in a decentralised environment and moreover data is verifable. Not to forget, it removes the middleman involved in b/w the transactions.

Q3. What are the few features blockchain will give you?

Ans. 1. Unchangeable data
2. Tamper-proof data
3. Immutable records of transactions.
4. Decentralised environment.

Q4. What all things a block can contain?

Ans. 1. Block number
2. Transaction Record
3. Previous Digital Signature
4. Mining Key

Q.5 How the verifiability of the blockchain has been attained?

Ans:-It works on the system of the fingerprint. Each block has its own special unique signature, which is stored in the next block too. If the copy of that block exists somewhere, its signature is compared, only if it matches, its c concluded that the copy is exactly replicated. if the majority of copies have the same signature and the copy has a different one, its v verified that it's been tampered with and hence necessary action is taken. To summarize, so if someone does any data modifications in one block, it will be changed into other blocks in the same network. Verification takes place by checking with another blockchain on the channel network. Hence verifiability can be achieved by block chain.