**1. In a typical transaction**

ANS: b. Each input contains a signature

**2. Bitcoin’s script supports instructions whose effect is**

ANS:

a. Adding two numbers

b. Conditional execution (if/then)

e. Hashing

**3. Alice is paying for a service using Bitcoin micropayments. If she simply disconnects at some point without notifying Bob and stops sending micropayments, what can Bob do?**

ANS:

* Bob can redeem the latest micropayment transaction that Alice sent in the last time period before disconnecting, which matches the length of service she received

**Bitcoin micropayments require the use of:**

ANS:

1. Multisignature Transactions

c. Time-locked transactions

**4. Blocks contain a tree of transactions instead of a flat list because**

ANS:

c. It enables efficiently proving that a transaction is included in a block

**5. If two conflicting transactions A → B and A → C are both broadcast almost simultaneously from different nodes,what determines which one will eventually end up in the block chain? Select all that apply.**

ANS:

c. The miner who finds the next block will likely resolve the tie by including one of the transactions in the block