

UNIT-5 PYQ ANALYSIS (Blockchain Technology)

I analyzed the uploaded RGPV Blockchain Technology PYQ papers and extracted all questions related to **UNIT-5**.

UNIT-5 SYLLABUS TOPICS

- ✓ Hyperledger Fabric Architecture
 - ✓ Identities and Policies
 - ✓ Membership and Access Control
 - ✓ Channels in Hyperledger Fabric
 - ✓ Transaction Validation
 - ✓ Smart Contract using Hyperledger Fabric
 - ✓ Smart Contract using Ethereum
 - ✓ Ripple
 - ✓ Corda
-

MAY 2023 PAPER — UNIT-5

QUESTIONS

1 Explain Hyperledger Fabric Architecture with neat diagram.

Related Topics

- ✓ Hyperledger Fabric Architecture

Importance

🔥 Extremely Important

★ Repeated Topic

Chances in Exam

🔥🔥🔥 Very High Probability

2 Explain Membership and Access Control in Hyperledger Fabric.

Related Topics

✓ Membership and Access Control

Importance

🔥 Very Important

Chances in Exam

🔥🔥 High Probability

3 Explain Channels in Hyperledger Fabric.

Related Topics

✓ Channels

Importance

🔥 Extremely Important

★ Frequently Asked

Chances in Exam

🔥🔥🔥 Very High Probability

4 Explain Transaction Validation Process in Hyperledger Fabric.

Related Topics

✓ Transaction Validation

Importance

🔥 Extremely Important

Chances in Exam

🔥🔥🔥 Very High Probability

5 Explain Smart Contract using Hyperledger Fabric.

Related Topics

✓ Chaincode

✓ Smart Contract

Importance

🔥 Extremely Important

★ Repeated

Chances in Exam

🔥🔥🔥 Very High Probability

6 Explain Ethereum Smart Contract.

Related Topics

✓ Smart Contract using Ethereum

Importance

🔥 Very Important

Chances in Exam

🔥🔥🔥 Very High Probability

7 Write short note on Ripple.

Related Topics

✓ Ripple

Importance

🔥 High Probability

Chances in Exam

🔥🔥 High Probability

📖 JUNE 2025 PAPER — UNIT-5

QUESTIONS

1 Explain Hyperledger Fabric transaction flow.

Related Topics

- ✓ Hyperledger Fabric Architecture
- ✓ Transaction Flow

Importance

🔥 Extremely Important

Chances in Exam

🔥🔥🔥 Very High Probability

2 Explain identities and policies in Hyperledger Fabric.

Related Topics

- ✓ Identities and Policies

Importance

🔥 Very Important

Chances in Exam

🔥🔥 High Probability

3 Explain writing smart contract using Ethereum.

Related Topics

- ✓ Ethereum Smart Contract

Importance

🔥 Extremely Important

★ Repeated Again

Chances in Exam

🔥🔥🔥 Very High Probability

4 Explain Chaincode in Hyperledger Fabric.

Related Topics

✓ Smart Contract using Hyperledger Fabric

Importance

🔥 Extremely Important

Chances in Exam

🔥🔥🔥 Very High Probability

5 Explain Corda with features and applications.

Related Topics

✓ Corda

Importance

🔥 Very Important

Chances in Exam

🔥🔥 High Probability

6 Differentiate Hyperledger Fabric and Ethereum.

Related Topics

✓ Fabric vs Ethereum

Importance

🔥 High Probability

Chances in Exam

🔥🔥 High Probability

7 Explain role of channels in Hyperledger Fabric.

Related Topics

✓ Channels

Importance

🔥 Very Important

★ Repeated Again

Chances in Exam

🔥🔥🔥 Very High Probability



MOST REPEATED UNIT-5

QUESTIONS

Question	Frequency	Probability
Hyperledger Fabric Architecture	Multiple Times	🔥🔥🔥
Transaction Validation / Flow	Multiple Times	🔥🔥🔥
Smart Contract / Chaincode	Multiple Times	🔥🔥🔥
Ethereum Smart Contract	Multiple Times	🔥🔥🔥
Channels in Hyperledger Fabric	Repeated	🔥🔥🔥
Membership & Access Control	Asked	🔥🔥
Identities & Policies	Asked	🔥🔥
Ripple	Asked	🔥🔥
Corda	Asked	🔥🔥
Fabric vs Ethereum	Asked	🔥🔥

MOST EXPECTED QUESTIONS FOR NEXT EXAM

VERY HIGH PROBABILITY

- 1. Explain Hyperledger Fabric Architecture with diagram.**
 - 2. Explain transaction flow in Hyperledger Fabric.**
 - 3. Explain smart contract using Hyperledger Fabric.**
 - 4. Explain Ethereum smart contract.**
 - 5. Explain Channels in Hyperledger Fabric.**
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HIGH PROBABILITY

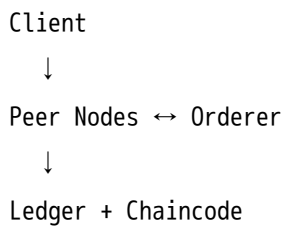
- 6. Explain Membership and Access Control.**
 - 7. Explain identities and policies in Fabric.**
 - 8. Explain Ripple with applications.**
 - 9. Explain Corda with features.**
 - 10. Differentiate Hyperledger Fabric and Ethereum.**
-

MEDIUM PROBABILITY

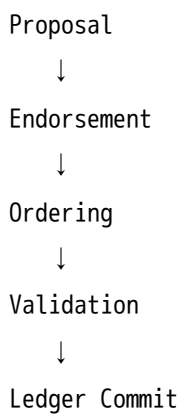
- 11. Explain advantages of permissioned blockchain platforms.**
 - 12. Explain enterprise blockchain development.**
-

IMPORTANT DIAGRAMS TO PRACTICE

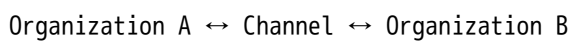
Hyperledger Fabric Architecture



2 Transaction Flow



3 Channels



4 Ethereum Smart Contract

User
↓
Ethereum Contract
↓
EVM Execution
↓
Blockchain Update

5 Ripple Network

Bank A → Ripple → Bank B

6 Corda

Business A ↔ Corda ↔ Business B

ONE-NIGHT UNIT-5 REVISION STRATEGY

FIRST PRIORITY (Must Study)

- ✓ Hyperledger Fabric Architecture
- ✓ Transaction Validation / Flow
- ✓ Smart Contract / Chaincode

- ✓ Ethereum Smart Contract
- ✓ Channels

These are most repeated and highest scoring topics.

SECOND PRIORITY

- ✓ Membership and Access Control
 - ✓ Identities and Policies
 - ✓ Ripple
-

LAST PRIORITY

- ✓ Corda
 - ✓ Fabric vs Ethereum
-

GOLDEN MEMORY TRICKS

Hyperledger Fabric

Private + Permissioned + Enterprise

Transaction Flow

Proposal → Endorsement → Ordering → Validation → Commit

Chaincode

Fabric Smart Contract = Chaincode

Ethereum

Public Blockchain + Smart Contract

Ripple

Fast International Payment

Corda

Enterprise Privacy Platform

FINAL EXAM WRITING STRATEGY

For every Unit-5 answer write in this order:

Definition

↓

Need of Concept

↓

Diagram

↓

Working Steps

↓

Advantages

↓

Applications

↓

Conclusion

This structure helps:

- ✓ Increase answer length
- ✓ Improve presentation
- ✓ Get better marks in RGPV exams
- ✓ Fill 4-6 pages easily