**IMP Questions!!**

1. What is Gas and Gas limit? Explain with proper examples/cases

2. Explain practical byzantine fault tolerance mechanism

3. Differentiate between Symmetric and Asymmetric Cryptography. Explain

RSA asymmetric cryptographic algorithm

4. What do you mean by hash pointers? Explain its role in blockchain

5. Explain the role of Merkle tree in Blockchain. Mention its advantages and

disadvantages

6. Explain Quantum Computing and its importance in Blockchain

7. What is hard forking and soft forking? Explain

8. What is Sybil attack? Can it be prevented in Blockchain? Explain

9. Explain role of Blockchain in Medical Record Management System

10. Define Blockchain. Explain the different types of Blockchain with

advantages and disadvantages. Explain the demerits or limitations of

blockchain

11. What is PoW? Explain all the steps in PoW with necessary diagram

12. Explain the difference between blockchain and distributed database

13. How Blockchain can be used in medical domain?

14. How Blockchain can be used in IOT domain?

15. Explain DAO and DAO attack

16. What is Smart Contract? Explain

17. What is digital signature? Explain in detail

18. What is Hash function? Mention the properties of good hash function

19. Compare PoW with PoS and PoB

20. Explain PoB and its advantages and disadvantages.

21. Compare encryption and hashing

22. Explain temporary forking.

23. Explain difficulty level in blockchain

24. PoW energy utilisation explain in brief

25. What is GHOST protocol? Explain its mechanism

26. What is selfish mining attack? Explain

27. What is double spending attack? Explain

28. Explain how to check whether any malicious activity has been done on not

given a bitcoin address

29. Explain bitcoin transaction flow along with solving the bitcoin block puzzle.

30. What are the rules, regulations and challenges in the blockchain regulation

in context to India?

31. Who are the stakeholders of bitcoin blockchain? Explain roots of bitcoin

32. What are the requirements for practical realization of quantum

computing?

33. What Is the Nakamoto Consensus? Explain its role in development of

blockchain?

34. How do black markets affect the global economy?

35. Explain various attack and vulnerabilities in Blockchain

36. Explain the role of blockchain in toy industry