## Name: **UPES Enrolment No:** UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, December 2020 IV **Course:** Cryptocurrency **Semester:** B. Tech CSE+ Blockchain Program: 03 hrs. Time **Course Code: CSBL 2002** Max. Marks: 100 **SECTION A** 1. Each Question will carry 5 Marks 2. Instruction: Complete the statement / Select the correct answer(s) S. No. Question $\mathbf{CO}$ A blockchain is a type of? CO<sub>1</sub> A. Object B. Database C. Table D. View 2 Which of the following statement is true about blockchain? CO<sub>2</sub> A. A blockchain is a decentralized, distributed, and oftentimes public, digital ledger consisting of records called blocks B. A blockchain database is managed autonomously using a peer-to-peer network and a distributed timestamping server C. A blockchain has been described as a value-exchange protocol. D. All of the above 3 An orphan block is only created when 51% attack is successful True or False? CO3 4 Which of the following is important for Blockchain CO<sub>5</sub> A. Database Security B. Auditing C. Planning List various types of Wallets in Blockchain Networks. CO4 6 CO<sub>1</sub> Discuss various types of wallets and applications in Blockchain network with examples. **SECTION B** 1. Each Question will carry 10 marks **Instruction: Write short/brief notes** 7 Write a short note on following consensus algorithms: CO3, a. Proof of Work (PoW) CO4

b. Proof of Authority (PoA)

d. Proof of Stake (PoS)e. Proof of Concept (PoC)

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c. Proof of Authentication (PoAu)

Considered the following Drug Supply Chain Management Network:

CO2,

CO<sub>5</sub>

