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| **P.V.P Siddhartha Institute of Technology** |
| **Department of Computer Science and Engineering** |
| **Course: B. Tech** | **Year: III** | **Semester: II** | **Descriptive: II** | **A.Y:2024-25** |
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| **Subject Code: 20CS4601C** |

 | **Subject Name: Block Chain Technology** | **Regulation:PVP20** |
| **Duration:1 hr 30 min** | **Maximum Marks:15 Marks** | **Date: 27-03-25** | **Session: F.N** |
| **Answer all the Questions. Each Question carries 5Marks 3×5M=15M** |
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| **Q. No** |  | **Marks** | **CO** | **Level** |
| 1. | What is a Bitcoin? How is the transaction verification process performed by Bitcoin nodes?  | 5 | CO1 | L2 |
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| 2. a) | How do we deploy smart contracts on a block chain?  | 3 | CO2 | L3 |
| 2. b) | What are the types of transactions that exist in Ethereum? List and explain various fields of transactions.  | 2 | CO3 | L3 |
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| 3. a) | With a neat diagram of Hyperledger architecture, explain its components.  | 3 | CO3 | L3 |
| 3. b) | List any two applications of Blockchain in Governance.  | 2 | CO2 | L2 |