|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** | | | | |
| |  | | --- | | **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** | | | | | | | | | | |
|  | | | | | | | | | | |
| **Q. No** |  | | | | | | **Marks** | | **CO** | **Level** |
| 1. | What is a Bitcoin? How is the transaction verification process performed by Bitcoin nodes? | | | | | | 5 | | CO1 | L2 |
|  | | | | | | | | | | |
| 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 |
|  | | | | | | | | | | |
| 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 |