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| C:\Users\TEMP.WDC.083\Desktop\VIT logo.png  (Autonomous College Affiliated to University of Mumbai) | *Mid Semester Examination (CBSGS-C scheme) -(2023-24)* | | |
| Date: | | Time: 1 Hr. & 15 Mints | Branch: Computer Engineering |
| Semester: VII | | Subject: Blockchain | Marks: 30 |
| |  |  |  |  | | --- | --- | --- | --- | | Q. 1) | Attempt any Five (2 Marks Each) | CO | BL | | a) | Define “Blockchain” | CO1 | L1 | | b) | Enlist different components of blockchain | CO1 | L1 | | c) | State any 4 challenges that occurs while implementing blockchain | CO1 | L2 | | d) | What is double spending problem? | CO2 | L2 | | e) | What is mining difficulty? | CO2 | L2 | | f) | What is Altcoins? | CO2 | L1 | | g) | What are two types of cryptocurrency tokens? | CO2 | L1 | | h) | What is mining pool? | CO2 | L2 | |  | | | | | Q. 2) | Attempt any Two. (5 Marks Each) |  |  | | a) | Compare different types of blockchain | CO1 | L1 | | b) | Explain UTXO model of bitcoin | CO2 | L2 | | c) | Explain different types of cryptocurrency wallets | CO2 | L1 | |  | | | | | Q 3) | Attempt any One (10 Marks Each) |  |  | | a) | Explain different types of consensus algorithms used in blockchain | CO1 | L1 | | b) | Explain different bitcoin mining terminologies | CO2 | L2 |  |  |  | | --- | --- | | **CO1** | **Explain blockchain concepts.** | | **CO2** | **Apply cryptographic hash required for blockchain.** | | | | |