**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF {{ department }}**

**INTERNEL ASSESSMENT TEST – {{ iat\_no }}**

DATE: {{ date }} TIME: 9:30 AM – 11:00 AM

SUBJECT NAME: {{ subject\_name }} YEAR: {{ year }}

SUBJECT CODE: {{ subject\_code }} SEMESTER: {{ semester }}

**SET – {{ set\_no }}**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART A (9\*2=18)** | | | |
| **Q.NO** | **QUESTION** | **BLOOM’S TAXONOMY** | **CO MAPPING** |
| 1 | {{ a1\_question }} | {{ a1\_bloom }} | {{ a1\_map }} |
| 2 | {{ a2\_question }} | {{ a2\_bloom }} | {{ a2\_map }} |
| 3 | {{ a3\_question }} | {{ a3\_bloom }} | {{ a3\_map }} |
| 4 | {{ a4\_question }} | {{ a4\_bloom }} | {{ a4\_map }} |
| 5 | {{ a5\_question }} | {{ a5\_bloom }} | {{ a5\_map }} |
| 6 | {{ a6\_question }} | {{ a6\_bloom }} | {{ a6\_map }} |
| 7 | {{ a7\_question }} | {{ a7\_bloom }} | {{ a7\_map }} |
| 8 | {{ a8\_question }} | {{ a8\_bloom }} | {{ a8\_map }} |
| 9 | {{ a9\_question }} | {{ a9\_bloom }} | {{ a9\_map }} |
| **PART – B (2\*16=32)** | | | |
| 6)a) | Explain Maekawa’s algorithm for mutual exclusion and compare this with Token based & non token based algorithms in terms of complexity | K4 | CO3 |
| Construct Suzuki–Kasami‘s broadcast algorithm for mutual exclusion | K4 | CO3 |
| **OR** | | | |
| 6)b) | Categorize the distributed deadlock detection algorithms and explain any two of them. | K4 | CO3 |
| Construct Lamport’s algorithm for mutual exclusion | K4 | CO3 |
| 7)a) | Examine the issues involved in a failure recovery with the help of a distributed computation (10) | K4 | CO4 |
| Categorize check pointing algorithms (6) |
| **OR** | | | |
| 7)b) | Explain Koo and Toueg coordinated check pointing and recovery technique algorithm for Failure recovery (8) | K4 | CO4 |
| Construct a Phase King algorithm for consensus in the face of Byzantine failures (8) | K4 | CO4 |

**COURSE COORDINATOR HOD PRINCIPAL**