# Flashcards

## l9

**Q1. What is ❖ Deadlock prevention?**

A1. done by ensuring that at least one of the

**Q2. What is ❖ Resource-allocation state?**

A2. defined by the number of available and

**Q3. What is ❖ System?**

A3. in safe state if there exists a sequence <P1, P2, …, Pn> of ALL

**Q4. What is ❖When Pj?**

A4. finished, Pi can obtain needed resources, execute, return

**Q5. What is ❖ If a system?**

A5. in safe state  no deadlocks

**Q6. What is ❖ If a system?**

A6. in unsafe state  possibility of deadlock

**Q7. What is ❖ Claim edge?**

A7. represented by a dashed line

**Q8. What is ❖ When a resource?**

A8. released by a process, assignment edge reconverts

**Q9. What is ❖ The content of the matrix Need?**

A9. defined to be Max – Allocation

**Q10. What is The system?**

A10. in a safe state since the sequence < P1, P3, P4, P2, P0>

**Q11. What is ❖How often a deadlock?**

A11. likely to occur?

**Q12. What is ❖ If detection algorithm?**

A12. invoked arbitrarily, there may be many cycles

**Q13. What is ❖Pi → Pj if Pi?**

A13. waiting for Pj

**Q14. What is there?**

A14. a cycle, there exists a deadlock

**Q15. What is operations, where n?**

A15. the number of vertices in the graph

**Q16. What is If Request [i][j] = k, then process Pi?**

A16. requesting k more

**Q17. What is system?**

A17. in deadlocked state