

**19CSB201 - Operating Systems**

D. Control

ANSWER:C

UNIT V

1. With deadlock detection, requested resources are granted to

- A. Resources
- B. Programs
- C. Processes
- D. Users

ANSWER:C

2. All deadlocks involve conflicting needs for

- A. Resources
- B. Users
- C. Computers
- D. Programs

ANSWER:A

3. Fastest form of inter process communication provided in UNIX is

- A. Virtual Memory
- B. Memory
- C. Shared Memory
- D. Main Memory

ANSWER:C

4. Deadlock prevention strategies are very

- A. Conservative
- B. Straight
- C. Complex
- D. Simple

ANSWER:A

5. A consumable resource is one that can be

- A. Access
- B. Count
- C. Created

6. A signal is a software mechanism that informs a

- A. Processor
- B. User
- C. Program
- D. Process

ANSWER:D

7. No preemption means that a resource is released as

- A. Terminated
- B. Non Voluntarily
- C. Voluntarily
- D. None

ANSWER:C

8. Deadlock avoidance requires knowledge of future

- A. Process
- B. Resource
- C. Program
- D. Application

ANSWER:A

9. Circular wait condition can be prevented by defining a linear ordering of

- A. Program Type
- B. User Type
- C. Resource Type
- D. Process Type

ANSWER:C

10. An unsafe state is of course a state that is not

- A. Require
- B. Safe

- C. Run
- D. Control

ANSWER:B

**11.** Linux includes all of concurrency mechanism found in other

- A. UNIX System
- B. Linux System
- C. Windows System
- D. None

ANSWER: A

**12.** Dining philosophers problem can be seen as representative of

- A. Users
- B. Problems
- C. Process
- D. Application

ANSWER: B

**13.** A direct method of deadlock prevention is to prevent occurrence of a circular

- A. Data
- B. Process
- C. Movement
- D. Wait

ANSWER:D

**14.** To solve dining philosophers, monitor consist of two

- A. Users
- B. Programs
- C. Applications
- D. Procedures

ANSWER:D

**15.** Conditions for deadlock, only one process may use a resource at a

- A. Program
- B. Time
- C. Process
- D. None

ANSWER:B

**16.** A useful tool in characterizing and allocating of resources to process is the

- A. User Allocation Graph
- B. Time Allocation Graph
- C. Resource Allocation Graph
- D. Location Allocation Graph

ANSWER:C

**17.** UNIX provides a variety of mechanisms for inter processor

- A. Information
- B. Communication
- C. Process
- D. Resource

ANSWER:B

**18.** Deadlock involves reusable

- A. Resources
- B. Users
- C. Time
- D. Cost

ANSWER:A

**19.** Once deadlock has been detected, some strategy is needed for

- A. Control
- B. Access
- C. Recovery
- D. None

ANSWER:C

**20.** Common technique used for protecting a critical section in Linux is the

- A. Lock Step
- B. Program lock
- C. Spinlock
- D. None

ANSWER:C