

25 Lecture - CS410

Important Mcqs

****Question 1:**** What is a thread in the context of computer programming?

- a) A type of data storage
- b) A unit of execution within a process
- c) A graphical user interface element
- d) An external device connected to the computer

****Solution:**** b) A unit of execution within a process

****Question 2:**** What is the primary benefit of using multiple threads in a program?

- a) Decreased program complexity
- b) Reduced memory usage
- c) Improved program modularity
- d) Enhanced multitasking and concurrency

****Solution:**** d) Enhanced multitasking and concurrency

****Question 3:**** Which of the following statements is true about threads?

- a) Threads cannot run in parallel.
- b) Threads within the same process share the same memory space.
- c) Threads always execute in separate processes.
- d) Threads are only used in single-threaded applications.

****Solution:**** b) Threads within the same process share the same memory space.

****Question 4:**** What is thread synchronization used for?

- a) To prevent threads from running in parallel
- b) To improve memory efficiency
- c) To ensure proper order of execution among threads
- d) To create separate memory spaces for threads

****Solution:**** c) To ensure proper order of execution among threads

****Question 5:**** Which of the following is NOT a thread scheduling algorithm?

- a) First-Come, First-Served (FCFS)
- b) Round Robin
- c) Last-In, First-Out (LIFO)
- d) Binary Search Tree (BST)

****Solution:**** d) Binary Search Tree (BST)

****DLLs:****

****Question 6:**** What does DLL stand for?

- a) Dynamic Load Library
- b) Dynamic Link Loader
- c) Dynamic Link Library
- d) Dynamic Language Locator

****Solution:** c) Dynamic Link Library**

****Question 7:** How do DLLs promote code reusability?**

- a) By embedding code directly into the program
- b) By creating duplicate copies of code
- c) By allowing multiple programs to share the same code
- d) By using different programming languages

****Solution:** c) By allowing multiple programs to share the same code**

****Question 8:** What is the purpose of dynamically linking to a DLL?**

- a) To increase the size of the executable file
- b) To embed the entire DLL code into the program
- c) To reduce code modularity
- d) To load and use code from an external DLL at runtime

****Solution:** d) To load and use code from an external DLL at runtime**

****Question 9:** Which utility can be used to view the functions and symbols within a DLL?**

- a) regedit
- b) Dependency Walker
- c) Disk Cleanup
- d) Device Manager

****Solution:** b) Dependency Walker**

****Question 10:**** In which memory space are DLLs loaded?

- a) Separate memory space for each program
- b) Shared memory space for all programs
- c) Virtual memory space only
- d) ROM memory space

****Solution:**** b) Shared memory space for all programs