

ConcepTest 1 – Process Concept

- Q1. In some situations, a change in the state of one process (A) may cause a change in the state of another process (B). Which of the following pairs of state transitions is **NOT** possible?

	<u>Process A</u>	<u>Process B</u>
A.	Running→Blocked	Ready→Running
B.	Blocked→Ready	Running→Ready
C.	Running→Terminated	Ready→Running
D.	Running→Ready	Blocked→Running

- Q2. Which of the following component(s) of the process context is/are shared across parent process and child process after creation of child process?

- A. Register values
- B. Heap memory
- C. Global variables
- D. Stack memory
- E. None of the above

- Q3. Which of the following statements about signals is/are true?

- A. Signals often are used to pass data between processes.
- B. All operating systems use the same set of signals.
- C. Signals notify a process that an event has occurred.
- D. Process can opt to ignore all signals.
- E. Every signal will cause a process to exit or stop unless handled.

- Q4. True or False:

SIGINT (Ctrl-C) is an example of an asynchronous signal, while SIGALRM (ALARM) is the example of a synchronous signal.