17 Lecture - CS501

Important Mcqs

1. **What is machine reset?**
   A. The process of restoring a computer system to its initial state
   B. The process of shutting down a computer system
   C. The process of updating the software of a computer system
   Answer: A

   What are machine exceptions?
   A. Unexpected events that occur during the operation of a computer system
   B. Expected events that occur during the operation of a computer system
   C. Events that occur during the boot-up process of a computer system
   Answer: A

   Which component of the computer system is responsible for handling machine exceptions?
   A. Memory
   B. Input/output devices
   C. Control unit
   Answer: C

   Which of the following is not an example of a machine exception?
   A. Divide-by-zero error
   B. Invalid memory access
   C. Operating system update
   Answer: C

   What is the purpose of a machine reset?
   A. To restore a computer system to its initial state
   B. To update the software of a computer system
   C. To shutdown a computer system
   Answer: A

   When is a machine reset typically performed?
   A. During the boot-up process
   B. During the shutdown process
   C. When the system becomes unresponsive
   Answer: A

   Which of the following is not a component that is reset during a machine reset?
   A. Control unit
   B. Memory
   C. Input/output devices
   Answer: C

   What is the role of the control unit in handling machine exceptions?
   A. To generate an exception handler routine

B. To shut down the system
C. To clear the memory
Answer: A

What can cause a machine exception?
A. Divide-by-zero error
B. Invalid memory access
C. Expected events during the operation of a computer system
Answer: A and B

Which of the following is a technique used to prevent machine exceptions?
A. Machine reset
B. Exception handling
C. Error correction codes
Answer: C