OS : DAY-01 QUIZ

Q. Computer is a _____ which performs different functions efficiently and accurately.
A. hardware
B. machine
C. digital device
D. all of the above
Answer: D

Q. Which of the following is not a hardware?
A. Processor
B. Keyboard
C. Device Driver
D. Magnetic Disk
E. None of the above
Answer: C

Q. An OS is a _____
A. system software
B. resource manager
C. resource allocator
D. all of the above
Answer: D

Q. What are the functions of computer?
A. data storage
B. data processing
C. data movement
D. control
E. all of the above
Answer: E

Q. Which of the following is a system program?
A. compiler
B. linker
C. loader
D. assembler
E. all of the above
F. none of the above
Answer: C

OS : DAY-02 QUIZ-02

Q. _____ converts high level programming language code into a low level programming language code.
A. An assembler
B. Compiler
C. Preprocessor
D. Linker
Answer: B

Q. Output of the linker is _____
A. an object code
B. an executable code
C. an intermediate code
D. an assembly language code
Answer: B

Q. Which of the following program provides graphical user interface in Windows Operating System?
A. cmd.exe
B. explorer.exe
C. command.com
D. all of the above
E. none of the above
Answer: B

Q. Which of the following program is a system program?
A. Interrupt Handler
B. Device Driver
C. Loader
D. All of the above
E. None of the above

Q. Which of the following is a process?
A. program.i
B. program.o
C. program.s
D. program.out
E. None of the above
F. All of the above

OS DAY-03 QUIZ-3

Q. What is the file format of an executable file in Linux Operating System?
A. ELF
B. EFL
C. PE
D. None of the above
Answer: A

Q. Which of the following section contains magic number in an executable file?
A. bss section
B. code section
C. primary header
D. symbol table
Answer: C

Q. Which of the following OS is an Open Source OS?
A. Linux
B. Windows
C. UNIX
D. MAC OS X
Answer: A

Q. Which of the following statement/s is/are false about a process?
A. Process is a running entity of a program
B. Program in main memory is reffered as a process
C. One program may has multiple running instances i.e. processes.
D. Program in execution is reffered as a process.
E. All of the above
F. None of the above
Answer: F

Q. Which of the following is not a kernel functionality?
A. Process Management
B. Hardware Abstraction
C. Protection & Security
D. Memory Management
Answer: C

Q. Which of the following is a Linux Kernel?

A. vmlinux

B. vmlinuz

C. vimlinuz

D. all of the above

E. none of the above

Answer: B

Q. Which of the following is not a component of the modern CPU?

A. Registers

B. ALU & CU

C. Main Memory

D. Cache Memory

Answer: C

Q. Which of the following statement is true?

A. Motherboard is inside the CPU

B. Motherboard is onto the CPU

C. The CPU is inside motherboard

D. The CPU is onto the motherboard

E. All of the above

F. None of the above

Answer: D

Q. Which of the following is not a primary memory?

A. CPU Registers

B. L1 Cache & L2 Cache

C. Cache Memory

D. RAM

E. None of the above

Answer: E

Q. A kind of memory chip that stores data and instructions permanently is

A. ROM
B. SRAM
C. EEPROM
D. RAM
Answer: A

QUIZ-05

Q. Which of the following memory is non-volatile?
A. SRAM
B. DRAM
C. ROM
D. All of the above
E. None of the above
Answer: C

Q. Which of the following circuit is used as a Memory Device in Computer?
A. Rectifier
B. Flip-Flop
C. Attenuator
D. None of the above
Answer: B

Q. In which of the following memory associative access method is used?
A. SRAM
B. DRAM
C. ROM
D. Magnetic Memory
Answer: A

Q. Which of the following is not a hardware?
A. Cache Memory
B. Instruction cache
C. Data cache
D. Disk Cache
Answer: D

Q. Which of the following is not an optical storage medium?
A. CDs
B. DVDs
C. Blue Ray
D. Memory Sticks
Answer: D

QUIZ-06

Q. A disk platter is divided into several concentric circles/rings called as
A. Tracks
B. Sectors
C. Cylinders
D. Clusters
Answer: A

Q. The time taken to move an access head to a certain track on a disk is
A. Seek Time
B. Head Switching Time
C. Search Time

D. Data Transfer time
Answer: A

Q. Which of the following is not a magnetic storage medium?
A. Floppy Disk
B. Hard Disk
C. Digital Versatile Disks
D. Cassettes and Cartridges
Answer: C

Q. Which device in microprocessor stores the data to be processed?
A. ROM
B. RAM
C. Registers
D. ALU
Answe: C

Q. Which of the following statement/s is/are true about an interrupt?
A. An interrupt is a signal
B. An interrupt is a signal sent by an IO device to the CPU.
C. An interrupt is a signal recieved by the CPU from an IO device.
D. Due to occurence of an interrupt the CPU stops an execution of one job and starts executing of another job.
E. All of the above
F. None of the above
Answer: E

Q. In which of the following IO technique utilization of the CPU is maximum?
A. Interrupt IO
B. Program Driven IO
C. DMA
D. All of the above
E. None of the above

Answer: C

QUIZ-07:

Q. System calls are nothing but
A. Kernel functions
B. Software Interrupts
C. Interface provided to call services made available by the Kernel
D. All of the above
E. None of the above
Answer: D

Q. Kernel mode of an operating system is also called as
A. Priviledged Mode
B. Supervisor Mode
C. Monitor Mode
D. System Mode
E. All of the above
Answer: E

Q. Which of the following is not a job of Process Control Subsystem?
A. Inter Process Communication
B. Scheduling
C. Memory Management
D. Device Management
Answer: D

Q. Which of the following system call is used to create a new process in UNIX?
A. CreateProcess()
B. fork()
C. Both A & B
D. None of the above
Answer: B

Q. Which of the following system call never fails?
A. open()
B. fork()

C. getpid()
D. All of the above
E. None of the above
Answer: C

Q. Which of the following section is not a part of process?
A. bss section
B. rodata section
C. code section
D. symbol table
Answer: D

Q. In user mode, value of mode bit is _____.
A. 0
B. 1
C. -1
D. None of the above
Answer: B

QUIZ-08

Q. In which of the following case preemptive cpu scheduling takes place?
A. running -> terminated
B. running -> waiting
C. waiting -> ready
D. All of the above
E. None of the above
Answer: C

Q. _____ copies an execution context of a process which is scheduled by the scheduler from its PCB and restores it onto the CPU registers.
A. Loader
B. Interrupt Handler
C. Dispatcher
D. Job Scheduler
Answer: C

Q. Which of the following is a kernel data structure?
A. PCB
B. Ready Queue
C. Job Queue
D. All of the above
E. None of the above
Answer: D

Q. Which of the following statement is false about a thread?
A. thread is the smallest execution unit of a process.
B. thread is the smallest indivisible part of a process.
C. thread is a lightweight process.
D. the CPU can execute more than one threads at a time
Answer: D

Q. System in which the CPU time gets shared among all running programs is reffered as
A. multi-programming system
B. multi-tasking system
C. time sharing system
D. both multi-tasking as well as time sharing
E. both multi-programming as well as time sharing
F. None of the above
Answer: D

QUIZ-09

Q. Which of the following is not a CPU scheduling criteria?
A. Waiting Time
B. Response Time
C. CPU Burst Time
D. Turn-Around-Time
Answer: C

Q. Which of the following statement is not true about scheduling criterias?
A. CPU utilization must be as max as possible
B. Waiting Time must be as max as possible

C. Turn-Around-Time must be as min as possible
D. Response Time must be as min as possible
Answer: B

Q. Which of the following CPU scheduling algorithm is non-preemptive?
A. SJF
B. FCFS
C. Priority
D. All of the above
E. None of the above
Answer: B

Q. Convoy effect occures in _____ scheduling algorithm.
A. Priority
B. Shortest Remaining Time First
C. Shortest Next Time First
D. None of the above
Answer: D

Q. Which of the following CPU scheduling algorithm ensures minimum waiting time?
A. FCFS
B. SJF
C. Priority
D. Round Robin
Answer: B

QUIZ-10
Q. Which of the following CPU scheduling algorithm lead to starvation?
A. FCFS
B. Shortest Job First
C. Round Robin
D. None of the above
E. All of the above
Answer: B

Q. If the time quantum of round robin algorithm is very large, then it is equivalent to:
A. First Come First Served
B. Shortest Next Time First

C. Shortest Remaining Time First
D. None of the above
Answer: A

Q. If a resource can be acquired by more than one
processes then which of following synchronization
tool is used for synchronization?
A. Binary Semaphore
B. Mutex Object
C. Classic Semaphore
D. All of the above
E. None of the above
Answer: C

Q. Which of the following statement is true in an
IPC?
A. under shared memory model processes can
communicates directly with each other.
B. any process can sends signal to an OS.
C. by using pipe() system call processes can send
as well as recieve message.
D. by using pipe command only related processes
can communicates.
Answer: D

Q. Critical Section Problem can be resolved by
using
A. Binary Semaphore
B. Mutex Object
C. Classic Semaphore
D. Both A & B
E. None of the above
Answer: D

OSC_QUIZ-11

1. Banker's algorithm is used for _____.
A. deadlock prevention
B. deadlock recovery
C. deadlcok avoidance
D. deadlock detection
E. all of the above
Answer: D

2. MMU is a _____ that converts logical address into the physical address.
A. system program
B. application program
C. firmware
D. all of the above
E. none of the above
Answer: E

3. what is/are neccessary and sufficient condition/s to occure deadlock.
A. resource can be allocated for any one process at a time
B. control of any resource cannot be taken away forcefully from a process
C. each process is holding one resource and requesting for a resorce which is held by another process.
D. circular wait
E. all of the above
Answer: E

Q. To recover system from deadlock, process which gets terminated is referred as a
A. terminated process
B. target process
C. victim process
D. all of the above
Answer: C

Q. Which one of the following field of a process in its PCB remains static?
A. base & limit values
B. an execution context
C. priority
D. pid
Answer: D