

Computer Hardware - Section 1

1. From what location are the 1st computer instructions available on boot up?
 - A. ROM BIOS
 - B. CPU
 - C. boot.ini
 - D. CONFIG.SYS
 - E. None of the above

2. What could cause a fixed disk error?
 - A. No-CD installed
 - B. bad ram
 - C. slow processor
 - D. Incorrect CMOS settings
 - E. None of the above

3. Missing slot covers on a computer can cause?
 - A. over heat
 - B. power surges
 - C. EMI.
 - D. incomplete path for ESD
 - E. None of the above

4. When installing PCI NICs you can check the IRQ availability by looking at
 - A. dip switches
 - B. CONFIG.SYS
 - C. jumper settings
 - D. motherboard BIOS
 - E. None of the above

5. With respect to a network interface card, the term 10/100 refers to
 - A. protocol speed
 - B. a fiber speed

- C. megabits per seconds
- D. minimum and maximum server speed
- E. None of the above

Operating Systems Concepts - Section 1

The part of machine level instruction, which tells the central processor what has to be done, is

- A. Operation code
- B. Address
- C. Locator
- D. Flip-Flop
- E. None of the above

2. Which of the following refers to the associative memory?

- A. the address of the data is generated by the CPU
- B. the address of the data is supplied by the users
- C. there is no need for an address i.e. the data is used as an address
- D. the data are accessed sequentially
- E. None of the above

3. To avoid the race condition, the number of processes that may be simultaneously inside their critical section is

- A. 8
- B. 1
- C. 16
- D. 0
- E. None of the above

4. A system program that combines the separately compiled modules of a program into a form suitable for execution

- A. assembler
- B. linking loader
- C. cross compiler
- D. load and go

E. None of the above

5. Process is
 - A. program in High level language kept on disk
 - B. contents of main memory
 - C. a program in execution
 - D. a job in secondary memory
 - E. None of the above

Disk Operating System (DOS) - Section 1

Which command of MS-DOS is used to copy only files that have been modified on or after the date you specify?

- A. XCOPY/D : date
- B. COPY/D : date
- C. COPY/M
- D. XCOPY/V
- E. None of the above

2. Which DOS command will format a floppy disk and transfer the system files

- A. SYS C: A:
- B. SYS A:
- C. FORMAT A: /S
- D. FORMAT A: /T
- E. None of the above

3. While working with MS-DOS, which command is used to restore files that were backed up using the BACKUP command?

- A. COPY
- B. DISKCOPY
- C. RESTORE
- D. STORE
- E. None of the above

4. The term TSR is an abbreviation for:

- A. Terminate Stay Ready
 - B. Testing System Read
 - C. Terminal Still Ready
 - D. Terminate Stay Resident
 - E. None of the above

- 5. Using the _____ switch causes FDISK to display the partition status of your hard disk without executing FDISK.
 - A. /show
 - B. /display
 - C. /status
 - D. /part
 - E. None of the above

Networking - Section 1

- . How many digits of the DNIC (Data Network Identification Code) identify the country?
 - A. first three
 - B. first four
 - C. first five
 - D. first six
 - E. None of the above

- 2. A station in a network forwards incoming packets by placing them on its shortest output queue. What routing algorithm is being used?
 - A. hot potato routing
 - B. flooding
 - C. static routing
 - D. delta routing
 - E. None of the above

- 3. The probability that a single bit will be in error on a typical public telephone line using 4800 bps modem is 10^{-3} . If no error detection mechanism is used, the residual error rate for a communication line using 9-bit frames is approximately equal to
 - A. 0.003

- B. 0.009
- C. 0.991
- D. 0.999
- E. None of the above

- 4. Frames from one LAN can be transmitted to another LAN via the device
 - A. Router
 - B. Bridge
 - C. Repeater
 - D. Modem

- 5. Which of the following condition is used to transmit two packets over a medium at the same time?
 - A. Contention
 - B. Collision
 - C. Synchronous
 - D. Asynchronous
 - E. None of the above

Artificial Intelligence - Section 1

What is the term used for describing the judgmental or common-sense part of problem solving?

- A. Heuristic
- B. Critical
- C. Value based
- D. Analytical
- E. None of the above

- 2. What stage of the manufacturing process has been described as "the mapping of function onto form"?

- A. Design
- B. Distribution
- C. project management
- D. field service

E. None of the above

3. Which kind of planning consists of successive representations of different levels of a plan?

- A. hierarchical planning
- B. non-hierarchical planning
- C. All of the above
- D. project planning
- E. None of the above

4. What was originally called the "imitation game" by its creator?

- A. The Turing Test
- B. LISP
- C. The Logic Theorist
- D. Cybernetics
- E. None of the above

5. Decision support programs are designed to help managers make:

- A. budget projections
- B. visual presentations
- C. business decisions
- D. vacation schedules
- E. None of the above
