

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