

**Computer Science: Test #4: About Computers**

(ref: comp.test4.02)

Name: \_\_\_\_\_

Date: .....

A) Multiple-Choice: Select the BEST answer to satisfy the following. Either (A, B, C or D). Completely **DARKEN** the letter at the end of this section in the ANSWER SECTION. (25 points)

1. In an ODD PARITY bit system, if 7 bits are on, what will the 9<sup>th</sup> extra bit be?  
A) on  
B) off  
C) one  
D) PAR-TEA on Dude
2. When several programs are running spontaneously, this is termed...  
A) crash city on my computer  
B) multi-tasking  
C) open windows platform  
D) a Microsoft miracle
3. How many bits are in a byte?  
A) One B) 8 C) 1024 D) a nybble
4. Which one of the following is least likely to determine the processor speed?  
A) bus width B) word size C) system clock rate D) OS
5. With respect to memory speed, what is 'ns' ?  
A) a millionth of a second B) a thousandth of a second  
C) a billionth of a second D) a hundredth of a second
6. The number of bytes in one KB is .....  
A) 1000 B) 2<sup>10</sup> C) 1024 D) both B & C
7. The amount of data the CPU can transmit at one time to main memory & input-output devices is termed.....  
A) word size B) bus width C) system clock rate D) none of these
8. The rate of an electronic pulse used to synchronize processing is called.....  
A) word size B) bus width C) system clock rate D) none of these

9. In an EVEN PARITY bit system, if 8 bits are on, the 9<sup>th</sup> extra bit will be...
- A) zero
  - B) one
  - C) on
  - D) say what, Elmo??
10. What does the following represent in terms of a number in base 10 → 00001111
- A) 15
  - B) 30
  - C) 1111
  - D) 21<sup>st</sup> century Dude!!!...it's calculator time
11. Which of the following is not a basic arithmetic operation?
- A) +
  - B) >
  - C) \*
  - D) /
12. Which one of the following is not an operating system?
- A) Unix
  - B) Linux
  - C) Windows
  - D) Cray
13. The term TERA means: (in general)
- A) 1 million
  - B) 1 billion
  - C) 1 trillion
  - D) 1 dudezillion
14. What basically causes a computer to 'crash'?
- A) running at too high a system clock rate
  - B) doing 100 k/h in a 50 zone
  - C) running out of memory space in main memory
  - D) lack of ROM
15. The programming language FORTRAN is used in...
- A) science
  - B) business
  - C) the arts
  - D) Hogwart Collegiate
16. Which of the following is not an output device?
- A) keyboard
  - B) printer
  - C) monitor
  - D) trackball
17. Which of the following mediums can hold the largest amount of information?
- A) CD-ROM
  - B) RAM
  - C) HD-floppy disk
  - D) DVD
18. Which of the following is the least reliable form of memory device?
- A) core
  - B) vacuum tube
  - C) semi-conductor
  - D) the human mind

19. DTP is...
- A) dats the place                      B) desk top people  
C) word processing                    D) desk top publishing
20. The type of computer memory which is termed 'volatile' is....
- A) ROM                                    B) RAM  
C) DING                                  D) DONG
21. Tertiary memory refers to:
- A) RAM      B) CPU      C) hard drive      D) disks on the shelf
22. How can you check to see what your output will look like?
- A) look in a mirror      B) use print preview  
C) use draft copy      D) e-mail
23. COBOL stand for.....
- A) common boys on line              B) common business oriented language  
C) common business on line          D) a scientific language
24. Which one of the following is not a logical operator?
- A) =      B) >      C) <      D) \*
25. What computer key is in the upper, left-hand corner of your keyboard?
- A) F1      B) ~      C) TAB      D) ESC

ANSWER SECTION: COMPLETELY DARKEN THE LETTER.

- |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 1. (A)(B)(C)(D) | 2. (A)(B)(C)(D) | 3. (A)(B)(C)(D) | 4. (A)(B)(C)(D) |
| 5. (A)(B)(C)(D) | 6. (A)(B)(C)(D) | 7. (A)(B)(C)(D) | 8. (A)(B)(C)(D) |
| 9. (A)(B)(C)(D) | 10.(A)(B)(C)(D) | 11.(A)(B)(C)(D) | 12.(A)(B)(C)(D) |
| 13.(A)(B)(C)(D) | 14.(A)(B)(C)(D) | 15.(A)(B)(C)(D) | 16.(A)(B)(C)(D) |
| 17.(A)(B)(C)(D) | 18.(A)(B)(C)(D) | 19.(A)(B)(C)(D) | 20.(A)(B)(C)(D) |
| 21.(A)(B)(C)(D) | 22.(A)(B)(C)(D) | 23.(A)(B)(C)(D) | 24.(A)(B)(C)(D) |
| 25.(A)(B)(C)(D) |                 |                 |                 |

SECTION B: Symbols: Fill in the blanks. Write what these letters stand for. (5 points)

1. CPU: .....
2. TB: .....
3. UNIVAC: .....
4. NT: .....
5. ROM: .....
  
6. ASCII:.....
7. MHz:.....
8. HTML: .....
9. COBOL:.....
10. SIMM: .....

SECTION C: Write the output of these procedures when :N is 4 (4 points)

- |    |  |  |
|----|--|--|
| 1. | TO DOWN :N<br>IF :N = 1 [STOP]<br>PRINT :N<br>DOWN :N - 1<br>END | <u>OUTPUT</u> (do not necessarily use all the lines)<br>.....<br>.....<br>.....<br>..... |
|    |  |  |
| 2. | TO SUB :N<br>IF :N = 2 [STOP]<br>SUB :N - 1<br>PRINT :N<br>END   | <u>OUTPUT</u> (do not necessarily use all the lines)<br>.....<br>.....<br>.....<br>..... |

SECTION D: Draw a telescopic model for the procedure and list the output at the side. (6 points)  
Assume that :N is 3.

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TO SUB :N  
IF :N = 1 [STOP]  
SUB :N - 1  
PRINT :N  
END
```

SECTION E: Computer Comprehension: Read the attached article and answer the following questions. ( 10 points)

1. What servers are the glue that holds the Web together?

.....  
.....  
.....

2. What was the first graphical Web browser?  
.....
3. The Web is really the same thing as the Internet. True or False? If false, why not?  
.....  
.....
4. List two graphic based browsers:  
.....
5. What is the parent language of HTML?  
.....
6. True/False: A web domain name must always include a WWW prefix.  
.....
7. What 3 parts identify a particular Web server on the Web?  
.....  
.....
8. What is another name for a Web pages' domain name?  
.....
9. What does FTP stand for?  
.....
10. What was Project Xanadu?  
.....  
.....



Bonus: 3 extra marks:

Name the famous wookiee or the actor playing Han Solo:

.....