

Math 206
Final(Spring 97)

Time : 5:00 PM
 Duration: ~~30~~ minutes.
 Date : 19th of June 1997
 Name : _____
 ID # : _____
 Section : _____



Concepts And Terminology(25pts)

1) Answer by true or false:

1. (32*32) bytes = 1Kbytes -----
2. 2³⁰ Kbytes = 1 Terabytes -----
3. 1 bit = 8 Bytes -----
4. Main Memory is volatile -----
5. It's possible to save a file on a CD-ROM. -----
6. A network is a group of interconnected computers. -----
7. A compiler is slower than an interpreter. -----
8. The memory is often referred to as the brain of the computer. -----
9. A bit is a technical word for 0 or 1. -----
10. Before executing a program, it must be placed on the hard disk. -----
11. A computer game belongs to the Application Software Category. -----
12. The RAM is responsible for fetching instructions from hard disk to CPU -----
13. Machine Language is the language most commonly used by today's programmers. -----
14. It is possible to use the screen as input and output device. -----
15. When a program is being processed the control is transferred from O.S. to CU. -----

2) Circle the right answer

1. A compiler
 - a- translates a program written in a certain language into another written in a higher level language.
 - b- translates a program written in a certain language into another written in a lower level language.
 - c- translates an algorithm written in English into a program written in a specified programming language.
2. Instructions to be executed directly by the machine are
 - a-Strings of assembly codes.
 - b-Strings of 0's and 1's.
 - c-Strings of a high level language.



3. An interpreter belongs to a category of software called

- a-Application Software
- b-Programming languages
- c-System Software



4. In a 100 MHz computer the clock cycle is the time interval needed by CPU to execute

- a- 10^8 instructions
- b- 10^5 instructions
- c- 10^2 instructions

3) **Define BRIEFLY the main components of the CPU**

MSWORD(20 pts)

4) **Fill in the Blanks:**

1. The _____ key erases the characters to the right of the insertion point.
2. The white space between the text and the edge of the paper is the _____.
3. Use the _____ to find synonyms for common words.
4. The _____ command removes text from the document and stores it in the clipboard.
5.  is used to create a _____.
6. A(n) _____ is a source reference or explanation displayed at the end of the page.
7. _____ gives you a raised character in a smaller font usually used in mathematical equations.
8. Windows pictures are stored under a folder called _____.
9.  is used to create a _____.
10. Bold italic is a font _____.
11. A continuous section break followed by a page break is equivalent to _____ section break.
12. To change the line spacing of a paragraph, you go to _____>>_____.
13. To change the symbol used in a bulleted list, you go to _____>>_____>>_____.
14. The "send behind text" button is used in creating _____.
15. The _____ is used to copy the format of text.

5) **Answer by true or false**


- a-It is possible to add borders to one word in a paragraph. _____
- b-It is possible to have the same page number for two different pages of the same document. _____
- c-Any command on the toolbars is found under one of the menus. _____
- d-It is not possible to have full justification (left and right) for columns. _____
- e-Autocorrect feature can be used to insert symbols in a faster way. _____

MSEXCEL(35pts)

6)What should you enter in the Name Box of the Formula Bar in order to select the following?

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

7)Answer by True or False:

1. You can not have 2 databases on the same worksheet. _____
2.  can not be used to sort a database . _____
3. Autocomplete is the feature used when expanding a series over cells _____
4. The pattern *7* will only match numbers or text where the digit 7 appears in the middle. _____
5. Any number of data series can be represented by a pie chart. _____
6. It is not possible to select noncontinuous cell ranges in Excel. _____
7. It is not possible ,by any means, to sort a database by four fields. _____
8. When copied from cell D4 to cell F6 the formula “=B3*D2” becomes “=D5*F4”. _____
9. The “delete” Key on the keyboard corresponds to the “Delete” option on the edit menu. _____
- 10.This is a valid array formula {=(E5:E9)+100}. _____

The following is the database used in Questions 8,9,and 10.

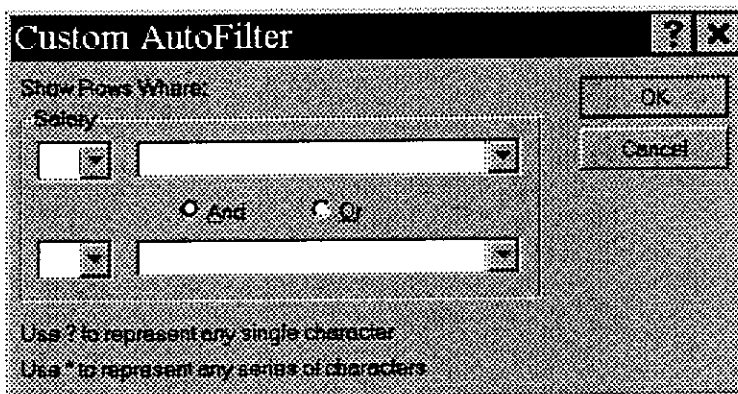
F1 Top Drivers

	A	B	C	D	E	F
1	Last Name	First Name	Position	Salary	Birth Date	Age
2	Hill	Damon	1	\$250,000	64	
3	Irvine	Eddy	2	\$100,000	70	
4	Berger	Gehard	1	\$300,000	62	
5	Baricello	Rubins	1	\$150,000	71	
6	Herbert	Johny	2	\$100,000	67	
7	Villeneuve	Jacques	1	\$200,000	73	
8	Frentzen	Heins	2	\$75,000	69	
9	Alesi	Jean	2	\$150,000	67	
10	Coulthard	David	2	\$150,000	69	
11	Salo	Mika	2	\$75,000	67	
12	Rotenberg	David	2	\$125,000	93	
13	Hakinen	Mika	1	\$175,000	69	

8) Using an array formula compute the age of every person. Show the steps for creating the array formula. Do not show the result, do not write essays, specify actions and ranges only.

1. _____
2. _____
3. _____
4. _____

9) Filter all the pilots whose position is 2 and whose salary between \$75,000 and \$150,000. (Fill in the custom box if needed + any additional condition)



10) Describe the steps to filter all the pilots with salary between \$75,000 and \$150,000 and different from \$125,000. (Hint: custom filter can not be used in this case)

- 1) _____
- 2) _____
- 3) _____