Cadence Technical Questions

1) The Program Counter (PC)

    A. is a register
    B. during exacution of the current instruction, its content changes
    C. both (a) and (c)
    D. none of these

2) Virtual memory
    A. is a method of memory allocation by which the program is subdivided into equal portions,
    B. 8 pages and core is subdivided into equal portions
    C. consists of those addresses that may begenerated by a processor during execution of a computation
    D. is a method of allocating processor time
    E. allows multiple programs to reside in separate areas of core at a time

3) To scan a and b given below which scanf () statement would you use?

flat a;
double b;

    A. scanf ("%f%f",&a,&b);
    B. Scan f ("%Lf%Lf",&a,&b);
    C. scanf("%f%Lf",&a,&b);
    D. Scanf("%f%1f',&a,&b);

4) Which of the following statements is incorrect?

    A. C provides no input-output features
    B. C provides no file access features

C. Provides no features to manipulate composite objects
D. All of these

5) Consider following program fragment:
char c = 'a'; while
while (c++ < = 'z')
putchar (xxx);
If required output is abcd......xyz, then xxx should be

A. C
B. c-2
C. C-1
D. --c

6) What is the value of 'i'?
i=strlen("Blue")+strlen("People")/strlen("Red")-strlen("green")
Ans : 1

7) i=2
printf("%old %old %old %old ",i, i++,i–,i++);

8) Using pointer, changing A to B and B to A is Swapping the function using two address and one temporary variable. a,b are address, t is temporary variable. How function look like?
Ans : swap(int *, int *, int)

9) In 'o' how are the arguments passed?
Ans : by value.

10) Find the prototype of sine function.
Ans : extern double sin(double)

11) Scope of a global variable which is declared as static?
Ans : File

12) ASCII problem
i=..
Ans : 6

13) What is the o/p
printf(" Hello o is the world ");
Ans : Hello is the world.

14) Clarifying the concept addresses used over array ; ie changing the address of a base element produces what error?
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15) child process — fork
child shell — sh

16) Answer are lex 7 yacc & man read these things in UNIX

17) What is int *p(char (*s)[])
Ans : p is a function which is returning a pointer to integer which takes arguments as pointer to array of characters

18) – There are 7 people who take a test among which M is the worst, R is disqualified, P and S obtain same marks, T scores less than S and Q scores less than P, N scores higher than every one. Ans : N P S T Q R M (may be, just check) or N S P T Q R M C & UNIX

19) What does chmod 654 stand for.
Ans : _rw_r_xr__

20) Which of following is used for back-up files?
(a) Compress
(b) Tar
(c) make
(d) all the above
Ans : b

21) what does find command do?
Ans : search a file

22) What does '' calloc'' do?
Ans : A memory allocation and initialising to zero.

23) what does exit () do?
Ans : come out of executing programme.