HP SAMPLE PAPER KOLKATHA

   Section A. ------50qns(general appitude,english etc):
     Section B. ------ 10 Questions on Computer concepts.
     Section C. ------ 30 Questions on C

1. WAP find and replace a character in a string.
2. WA function to perform the substraction of two .Eg:char N1="123",N2="478",
    N3=-355(N1-N2).
3. WAP dynamically intialize a 2 dimentional array Eg:5x20,accept strings and check
    for vowels and display the no.finally free the space allocated .
4. WAP read a line from file from location N1 to N2 using command line agruments
     Eg:exe 10 20 a.c
5. WAP find the largest of 4 no using macros.

   General section
   Computer science general, c/c++ section, Java section ,The question paper had 48
   questions to be answered in 1hr. Time will be quite sufficient. They have different
   sets of question papers. .

1   General section : computer science general knowledge
2. Computer science general: simple questions

1. HP acquired this company in 2002. Which is the company
     a) Compaq b) Dell c) option 3 d) Option4
     Ans: a

2. What does 3G denote
     a) 3rd generation mobile communication b) 3rd generation computer languages
     c) option 3 d) option4
     Ans: a

3. An application program that is used by the users to get the inofrmation from the
    backend of some application like databases:
    a) application server   b)proxy server   c)database server d)option 4
    Ans: database server

4. Which of the following is not true about the e-mail
    a) It can be accessed by a client program using POP
    b) It can be accessed by a client program using imap protocol
    c) option 3
    d) option 4
    Ans: I don,t remember the answer but first 2 are true.

5. Some quesion regarding the company and who developed it (the thing to remember
    is that Apple produce Macintosh computers).

   c/c++ section: questions on c/c++, programs o/p etc.

 1   main( )

```c
{
  unsigned int i=3;
  while( i >=0)
  printf( "%d", i--);
}
```
how many times will the printf stmt be executed?
a)0   b)3   c)4   d)infinite
Ans: I think the answer is infinite, b,cos ,i, is an unsigned integer and it will not decrement below ,0, and hence end up in an infinite loop.(yes, i checked and it is getting stuck in an infinite loop)

2. main( )
```c
{
  int x,y, z;
  x=2;
  y=5;
  z= x+++y;
  printf("%d %d %d", x, y z);
}
```
a)3 5 7 b)option 2 c)option 3 d)option 4
Ans: a

3   # define swap(a,b) temp=a; a=b; b=temp;
    main( )
```c
{
  int i, j, temp;
  i=5;
  j=10;
  temp=0;
  if( i > j)
  swap( i, j );
  printf( "%d %d %d", i, j, temp);
}
```
Ans: On compiling i got ans 10, 0, 0. I did not understand the concept. Please expalin this to me.

4. Java section: questions on java related stuff.
    1) Java was initially code named as:
    a)Oak b)green c)miller d)option4
    Ans: Oak

5. What is not true about the following statements about java.
    a) it is compiled using javac compiler
    b) the compiled files have .class extension.
    c) such files cannot be transfered from one comp to another.
    d) they use the java interpreter
    Ans: c

6. Why is the synchronize used?
    a) to initialize multiple objects b)to lock an object c)option3 d)option 4
    Ans: b (probably)