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HCL C++ paper:
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1.which is not an concept of OOPs?
    a.data abstraction.
   b.inheritance.
    c.polymorphism
    d.operator and function overloading.
ans:
2.friend is
    ans:not tansitive nor virtual.
3.main()
  int i=4;
  int &j=i;
  i=i*2;
   j=j*j;
  cout<<i<;
 ans:64 & 64
4.class A{
   public:
        int i;
          set_i() {i=10;}
    class B:public A{
       set_i() {i=20;}
     };
     void main()
         A obA;
         B obB;
         A *p;
         p=\&obB;
         p->set_i();//call 1
         p=\&obA;
         p->set_i();call 2
    which set_i() does call 1 & 2 invoke
    ans: both set_i() class A.
5.int i=400;
  void main()
  int i=200;
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cout <<::i<endl<<i;</pre>
  what will be the o/p?
  ans:400
      200
6.class String {
   public:
   int len;
   static int num;
 };
void main()
    String s1, s2;
    s1.len=s2.len=2; s2.num=5;
    s1.len++; s2.num++; s1.num += 2;
    cout<<s1.len<<"-"<<s1.num<<"-"<<s2.len<<"-"<<s2.num;
what will be the o/p?
ans:3-8-2-8
7.void main(){
    const char *s1 ="mamama";
    const char *s2 = "ghshshs";
    char *p;
    *s1=NULL; //st 1
    s1=p;// st 2
    *s2=NULL;//st 3
    s2=p;//st 4
which of the following is valid st
ans: st 1 & st 3
8. If class D is privately derived from class B then we can access
ans:public members of class B and protected members of class B.
9.which is an pure virtual function
ans: void f() const =0;
10.a class is said to be abstract only is
  ans: it has one pure virtual function
11. which is not an advantage of inline function over an macro
ans:reduces the code size.
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12.class C {
    static int n;
    C()
    \{n++;\}
    ~c() {n--;}
}
main()
{
    cout << C::n;
    C *p;
    p = new C[100];
    cout << C::n;
    delete [] p;
    cot << C::n;
}
what will be o/p?
ans:0-100-0
13. Redirection redirects
    ans: a stram from a file to the screen.
14. when an array name is passed to an function, the function
  ANS: ACCESS EXACTLY THE SAME ARRAY AS THE CALLING PROGRAM &
       refers to the array using a defferent name from that used by th
calling progarm.
15.which operator cannot be overloaded?
16. The operation of the asignment operator and that of the copy
constructor are
  ans:similar, except that the copy constructor creates a new object
and
      different, except that they both copy member data.
17. which is not the difference bwt inline function and an macro
function?
     ans:reduces the code size.
HCL C paper:
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this is the C test paper of HCL.
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#define VAL 1+2
1.
   main()
        printf("%d %d", VAL/VAL, VAL*3);
    what will be o/p?
    ans:5 7
2.A function cannot return ?
    ans:arrays.
3.
    union A{
        char d[6];
        char *h[5];
        int f[6];
    assume that ur machine supports 4 bytes for an pointer, what will b
the size of union?
    ans:24.
4. which of the following r mutually referrial structures?
ans:
    sruct a {
      int afield;
      struct b *bpointer;
    struct b {
        int bfield;
        struct a *apointer;
   } ;
5.
     main()
    {
        int a,b;
        a = (10, 15);
        b=5,6;
        printf("%d %d",a,b);
   what will be o/p?
    ans: 15,5
6.
     main()
    {
        int i=6;
        if(i++ == 7 || i++ == 8 || i != 9)
              printf("%d",i);
        else
            printf("%d",i);
    what will be o/p?
    ans:9
```

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7. which of the following is not an proper program for string copy?
    ans:
      main()
      {
          char *s="somestring", *d;
        while(*s)
        {
         *++d=*++s;
8.
      main()
    {
        int i=6;
        printf("%d %d %d",i++,++i,i++);
    wht will be the o/p?
    ans:8 8 6
      #include<stdio.h>
9.
    \#define sq(x) x*x*x
    main(){
        int a=5;
        printf("\n %d ",sq(a++));
        printf("\n %d ",sq(a));
    }
    what will be o/p?
    ans:210 512
10.
       #include<stdio.h>
    main(){
        int a[10] = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\};
        int *p, *q;
        p=&a[5];
        q=&a[8];
        printf("%d",q-p);
    }
    what will be the o/p?
    ans: 3
11.enum day = \{ jan = 1, feb=4, april, may \}
   what is the value of may?
   a) 4 b) 5 c) 6 d) 11
   e) none of the above
   ans:6
12. Y=10;
    if (Y++>9 \&\& Y++!=10 \&\& Y++>10)
    printf("..... Y);
    else printf(""....)
    ans : 13
```

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13. which of the function operator cannot be over loaded
a) <=
b)?:
C) ==
d) *
ans: b and d
        i=20, k=0;
14.
    for (j=1; j<i; j=1+4*(i/j))
        k += j < 10?4:3;
    printf("%d", k);
           ans k=4
15.
         int i = 10
    main()
        int i = 20, n_{i}
        for(n=0;n<=i;)
             int i=10
                 i++;
        printf("%d", i);
    }
    ans i=20
16. When u pass a float value to a function it is passed as ?
    a.int.
    b.double
    c.long int.
    d.float.(ans)
17. one ques in atod function?
18.What's the outout?
        char *cp;
        int *ip;
        cp=(char *)0x100;
        ip=(int *)cp;
        ip++;
        cp++;
```