

# HCL Placement Paper 9

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HCL-TECH(it-bhu)2K3

Ordering is changed this time. So don't byheart by a,b,c,d. Byheart the answers. Pls check answer once again  
Don't hesitate to answer all. Ever HR knows that Students have this qp.  
Ist section of the Question is as such in the placement papers.com

## Section II - C Programming

1. Which of the following about the following two declaration is true

- i) int \*F()
- ii) int (\*F)()

Choice :

- a) Both are identical
- b) The first is a correct declaration and the second is wrong
- c) The first declaration is a function returning a pointer to an integer and the second is a pointer to function returning int
- d) Both are different ways of declaring pointer to a function

Answer : c) The first de...

2. What are the values printed by the following program?

```
#define dprint(expr) printf( #expr "=%d\n",expr)
```

```
main()
{
int x=7;
int y=3;
dprintf(x/y);
}
```

Choice:

- a) #2 = 2
- b) expr=2
- c) x/y=2
- d) none

Answer: c)x/y=2

3. Which of the following is true of the following program

```
main()
{
char *c;
int *ip;
c=(char *)malloc(100);
ip=(int *)c;
free(ip);
}
```

ans: The code functions properly releasing all the memory allocated

4.output of the following.

```
main()
{
int i;
char *p;
i=0X89;
p=(char *)i;
p++;
printf("%x\n",p);
}
```

ans:0X8A

5.

which of the following is not a ANSI C language keyword?

ans:Function.

6. When an array is passed as parameter to a function, which of the following statement is correct choice:

- a) The function can change values in the original array
- b) In C parameters are passed by value. The function cannot change the original value in the array
- c) It results in compilation error when the function tries to access the elements in the array
- d) Results in a run time error when the function tries to access the elements in the array

Answer: a) The fu...

7. The type of the controlling expression of a switch statement cannot be of the type

- a) int b) char c) short d)float e) none

Answer : d)float

8.What is the value of the expression  $(3^6) + (a^a)$ ?

- a) 3 b) 5 c) 6 d)  $a+18$  e) None

Answer : 5

9. What is the value assigned to the variable X if b is 7 ?

$X = b > 8 ? b < < 3 : b > 4 ? b > > 1 : b;$

- a) 7 b) 28 c) 3 d) 14 e) None

ans: 3;

10. Which is the output produced by the following program

```
main()
{
int n=2;
printf("%d %d\n", ++n, n*n);
}
```

- a) 3,6 b) 3,4 c) 2,4 d) cannot determine

Answer : b) 3,4

11. What is the output of the following program?

```
int x= 0x65;
main()
{
char x;
printf("%d\n",x)
}
```

- a) compilation error b) 'A' c) 65 d) unidentified

ans. d)

12. What is the output of the following program

```
main()
{
int a=10;
int b=6;

if(a=3)
b++;
printf("%d %d\n",a,b++);
}
```

- a) 10,6 b)10,7 c) 3,6 d) 3,7 e)none

Answer : d) 3,7

13. What can be said of the following program?

```
main()
{
enum Months {JAN =1,FEB,MAR,APR};
Months X = JAN;
if(X==1)
{
printf("Jan is the first month");
}
}
```

- a) Does not print anything
- b) Prints : Jan is the first month
- c) Generates compilation error

d) Results in runtime error

Answer: b) Prints : Jan..

14. What is the output of the following program?

```
main()
{
char *src = "Hello World";
char dst[100];
strcpy(dst,src);
printf("%s",dst);
}
strcpy(char *dst,char *src)
{
while(*src) *dst++ = *src++;
}
```

a) "Hello World" b)"Hello" c)"World" d) NULL e)unidentified

Answer: d) NULL

15. What is the output of the following program?

```
main()
{
int l=6;
switch(l)
{ default : l+=2;
case 4: l=4;
case 5: l++;
break;
}
printf("%d",l);
}
```

a)8 b)6 c)5 d)4 e)none

Answer : c)5

16. What is the output of the following program?

```
main()
{
int x=20;
int y=10;
swap(x,y);
printf("%d %d",y,x+2);
}
swap(int x,int y)
{
int temp;
temp =x;
x=y;
y=temp;
}
```

a)10,20 b) 20,12 c) 22,10 d)10,22 e)none

Answer:d)10,22

17. What is the output of the following problem ?

```
#define INC(X) X++
main()
{
int X=4;
printf("%d",INC(X++));
}
```

a)4 b)5 c)6 d)compilation error e) runtime error

Answer : d) compilation error no ++++ operator allowed

18. what can be said of the following

```
struct Node {
char *word;
int count;
struct Node left;
struct Node right;
```

}

- a) Incorrect definition
  - b) structures cannot refer to other structure
  - c) Structures can refer to themselves. Hence the statement is OK
  - d) Structures can refer to maximum of one other structure
- Answer :c)

19. What is the size of the following union. Assume that the size of int =2, size of float =4 and size of char =1.

```
Union Tag{
int a;
float b;
char c;
};
```

- a)2 b)4 c)1 d) 7
- ans : b.)

20) What is the output of the following program? (.has been used to indicate a space)

```
main()
{
char s[]="Hello,.world";
printf("%15.10s",s);
}
```

- a)Hello,.World...
  - b)....Hello,.Wor
  - c)Hello,.Wor.... (this option is correct for %s-15.10s)
  - d)None of the above
- ans: b.) total 15 spaces and print only 10 characters.

These questions are based on data sufficiency in which one has to tell if the given data in 2 statements is enough to derive an answer.

- A if only (1) is sufficient.
- B if only (2) is sufficient.
- C if either is sufficient.
- D if both are sufficient.
- E data insufficient.

- (1) The combined length of the longer two pieces of rope is 12 metres.
- (2) The combined length of the shorter two pieces of rope is 11 metres.

(A) (B) (C) (D) (E)

10) A certain company paid bonuses of Rs. 125 to each of its executive employees and Rs 75 to each of its nonexecutive employees. If 100 of the employees were nonexecutive, how many were executive?

- 1) The company has a total of 120 employees
- 2) The total amount that the company paid in bonuses to its employees was Rs.10,000

(A) (B) (C) (D) (E)  
ans. C.)

11. What fraction of his salary did Mr. Johnson put into savings last week ?

- 1) Last week Mr.Johnson put Rs 17 into savings.
- 2) Last week Mr.Johnson put 5% of his salary into savings.

(A) (B) (C) (D) (E)  
ans. B.) only 2nd.

12. Each M-type memory unit will increase the base memory capacity of a certain computer by 3 megabytes. What is the base memory capacity, in megabytes, of the computer ?

- 1) 2 M-type memory units will increase the computer's base memory capacity by 300%
- 2) The memory capacity of the computer after 2-M type memory units are added to the base memory capacity, is 1.6 times the memory capacity of the computer after 1 M-type unit is added to the base memory capacity.

(A) (B) (C) (D) (E)  
ans. C.) either.

13. What fractional part of the total surface area of cube C is red?

- 1) Each of 3 faces of C is exactly 1/2 red
- 2) Each of 3 faces of C is entirely white

(A) (B) (C) (D) (E)  
ans: D.) both.

### SECTION C

Instructions ALL NUMBER USED ARE REAL NUMBERS FOLLOWING EACH QUESTIONS ARE FIVE POSSIBLE ANSWERS LABELED (A).B).C).D)&E).TICK THE BEST CHOICE.

14. How many of the integers between 25 and 45 are even ?

(A)21 (B)20 (C)11 (D)10 (E)9

Answer:d)10

15. If taxi fares were Rs 1.00 for the first  $\frac{1}{5}$  mile and Rs 0.20 for each  $\frac{1}{5}$  miles thereafter. The taxi fare for a 3-mile ride was

(A)Rs 1.56 (B)Rs 2.40 (C)RS 3.00 (D)Rs 3.80 (E)Rs 4.20

Answer :d)Rs 3.80

16. A computer routine was developed to generate two numbers (x,y) the first being a random number between 0 and 100 inclusive, and the second being less than or equal to the square root of the first. Each of the following pair satisfies the routine EXCEPT

(A) (99.10) (B) (85.9) (C) (50.7) (D) (1.1) (E)(1.0)

Answer : A) (99.10)

17. A warehouse had a square floor with area 10,000 sq.meters. A rectangular addition was built along one entire side of the warehouse that increased the floor by one-half as much as the original floor.

How many meters did the addition extend beyond the original buildings ?

(A)10 (B)20 (C)50 (D)200 (E)500

Answer: c)50

18. A digital wristwatch was set accurately at 8.30 a.m and then lost 2 seconds every 5 minutes. What time was indicated on the watch at 6.30 p.m of the same day if the watch operated continuously that time ?

(A)5:56 (B)5:58 (C)6.00 (D)6.23 (E)6.26

Answer :E) 6.26

19) A 5 liter jug contains 4 liters of a salt water solution that is 15 percent salt. If 1.5 litres of the solution spills out of the jug, and the jug is then filled to capacity with water, approximately what percent of the resulting solution in the jug is salt?

(A)7.5% (B)9.5% (C) 10.5% (D)12% (E)15%

Answer :A)7.5%

20) A plane traveled K miles in the first 96 miles off light time. If it completed the remaining 300 miles of the trip in 1 minute, what was its average speed in miles per hour for the entire trip ?

(A)  
(B)  
(C)  
(D)  
(E)

Answer : $(300+k)/97 * 60$

21) A merchant sells an item at a 20 percent discount, but still makes a gross profit of 20 percent of the cost. What percent of cost would be gross profit on the item have been if it had been sold without the discount?

(A)20% (B)40% (C)50% (D)60% (E)66.6%

Answer :c) 50%

22) A millionaire bought a job lot of hats  $\frac{1}{4}$  of which were brown. The millionaire sold  $\frac{2}{3}$  of the hats including  $\frac{4}{5}$  of the brown hats. What fraction of the unsold hats were brown.

(A) $\frac{1}{60}$  (B) $\frac{1}{15}$  (C) $\frac{3}{20}$  (D) $\frac{3}{5}$  (E) $\frac{3}{4}$

Answer :c) $\frac{3}{20}$

23) How many integers n greater than 10 and less than 100 are there such that, if the digits of n are reversed, the resulting integer is  $n+9$  ?

(A)5 (B)6 (C)7 (D)8 (E)9

Answer :D)8

24) An investor purchased a shares of stock at a certain price. If the stock increased in price Rs 0.25 per share and the total increase for the x shares was Rs 12.50, how many shares of stock had been purchased ?

(A)25 (B)50 (C)75 (D)100 (E)125

Answer :B)50

25) At a special sale, 5 tickets can be purchased for the price of 3 tickets. If 5 tickets are purchased at the sale, the amount saved will be what percent of the original price of the 5 tickets?

(A)20% (B)33.3% (C)40% (D)60% (E)66.6%

Answer :c)40%

26) Working independently, Tina can do a certain job in 12 hours. Working independently, Ann can do the same job in 9 hours. If Tina works independently at the job for 8 hours and then Ann works independently, how many hours will it take Ann to complete the remainder of the jobs?

(A)2/3 (B)3/4 (C)1 (D)2 (E)3

Answer :E)3

27) A decorator bought a bolt of d m number of red chips in any one stack ?

(A)7 (B)6 (C)5 (D)4 (E)3

Answer :C) 5

### SECTION III - ANALYSIS PROGRAM SEGMENTS

1) Here is the structure declaration of a doubly linked list

```
struct dlink {
int nodeid;
struct dlink *next;
struct dlink *prev;
} dlink_t;
```

A pointer of the head of the linked list is maintained as a global variable, whose definition is `dlink_t *head;`

The function `remove_element(dlink_t *rp)`, needs to remove the node pointed to the `rp` and adjust the head.

The first node's `prev` and the last node's `next` are `NULL`.

```
remove_element(dlink_t *rp)
{
rp->prev->next = rp->next;
rp->next->prev = rp->prev;
if( head == rp)
head = rp->next;
}
```

Which of the following statement is true about the function `remove_element`

- A) It work when head is the same as `rp`
- B) It does not work when `rp` is the last element on the list
- c) It sets the head of the list correctly
- D) It works in all cases

Answer :B) It does...

2) Consider the following function written in c:

```
#define NULL 0
char *index(sp,c)
register char *sp,c;
{
do
{
if(*sp == c)
return (sp);
} while (*sp++);
return NULL;
}
```

The first argument `sp`, is a pointer to a C string. The second argument, `c`, is a character. This function searches for the character `c`, in the string. If it is found a pointer to that location is returned else `NULL` is returned.

This function works

- a) Always
- b) Always, but fails when the first byte contains the character `c`
- c) works when `c` is a non `NULL` character only
- d) Works only when the character `c` is found in the string

ans: a

03) What is printed when this program is executed

```
main()
{
printf ("%d\n",f(7));
}
f(X)
{
if (x<= 4)
return x;
return f(--x);
}
```

- a) 4
  - b) 5
  - c) 6
  - d) 7
- ans: a

04) On a machine where pointers are 4 bytes long, what happens when the following code is executed.

```
main()
{
int x=0,*p=0;
x++; p++;
printf ("%d and %d\n",x,p);
}
```

- a) 1 and 1 is printed
- b) 1 and 4 is printed
- c) 4 and 4 is printed
- d) causes an exception

ans: b.)

05) Which of the following is the correct code for strcpy, that is used to copy the contents from src to dest?

- a) strcpy (char \*dst,char \*src)  
{  
while (\*src)  
\*dst++ = \*src++;  
}
  - b) strcpy (char \*dst,char \*src)  
{  
while(\*dst++ = \*src++);  
}
  - c) strcpy (char \*dst,char \*src)  
{  
while(\*src)  
{ \*dst = \*src;  
dst++; src++;  
}  
}
  - d) strcpy(char \*dst, char \*src)  
{  
while(\*++dst = \*++src);  
}
- ans: b.)

6) Consider the following program

```
main()
{
int i=20,*j=&i;
f1(j);
*j+=10;
f2(j);
printf("%d and %d",i,*j);
}
f1(k)
int *k;
{
*k +=15;
}
```

```
f2(x)
int *x;
{
int m=*x,*n=&m;
*n += 10;
}
```

The values printed by the program will be

- a) 20 and 55
- b) 20 and 45
- c) 45 and 45
- d) 45 and 55
- e) 35 and 35

ans: c.) 45 and 45

7) what is printed when the following program is compiled and executed?

```
int func (int x)
{
if (x<=0)
return(1);
return func(x -1) +x;
}
main()
{
printf("%d\n",func(5));
}
```

- a) 12
  - b) 16
  - c) 15
  - d) 11
- ans: b.) 16

8) Consider the following of c code in two files which will be linked together and executed .

```
int i;
main()
{
i = 30;
f1();
printf("%d\n",i)
}
```

b.c

```
static int f1()
{
i+=10;
}
```

which of the following is true ?

- a) a.c will fail in compilation phase because f1() is not declared
- b) b.c will fail in compilation because the variable I is not declared
- c) will print 30
- d) will print 40
- e) a & b

ans: e) a & b . extern functions and variables should have been declared in the files for external linkage.

9) Consider the following prg

```
void funca (int *k)
{
*k += 20
}
void funcb (int *x)
{
int m=*x,*n = &m;
```



```

*n+=10;
}
main()
{
int var = 25,*varp=&var;
funca(varp);
*varp += 10;
funcb(varp);
printf ("%d and %d\n",var,*varp);
}

```

The values printed when the above prg is compiled and executed are:

- a) 20 and 55
- b) 20 and 45
- c) 45 and 55
- d) 55 and 55
- e) 35 and 35

ans: d.) 55 and 55. similar to program 6.)

10) consider the following program:

```

#include <stream.h>
class x
{
public:
int a;
x();
};
x::x()
{
a=10;
cout<<a;
}

```

```

class b:public x
{
public:
b();
};
b::b()
{
a=20;
cout<<a;
}

```

```

main ()
{
b temp;
}

```

what will be the output of this prg?

- a) 10
- b) 20
- c) 2010
- d) 1020

ans: d.) 1020 first constructor for A prints 10 then constructor for B prints 20.

#### Section IV - General Aptitude Section

1) In a murder case there are four suspects P,Q,R,S. Each of them makes a statement. They are

p: "I had gone to the theatre with S at the time of the murder".

q: "I was playing cards with P at the time of the murder".

r: "Q didn't commit the murder".

s: "R is not the murderer".

Assuming the only one of the above statement is false and that one of them is the murderer, who is the murderer?

- a) P
- b) Q
- c) R
- d) Can't be concluded
- e) S

and: E.) r and s are true as first two statements are contradictory. thus either P or S is murderer. as q is not murderer, he is telling truth that P was with him. hence S is murderer.

2) Mohan earned twice as much as Deep. Yogesh earned rs.3/- more than half as much as deep. If the amounts earned by Mohan,Deep,Yogesh are M,D,Y respectively, Which of the following is the correct ordering of these amounts?

- a)  $M < D < Y$
  - b)  $M < Y < D$
  - c)  $D < M < Y$
  - d) It can't be determined from the information given
  - e)  $D < Y < M$
- ans d)

03) Statistics indicate that men drivers are involved in more accidents than women drivers. Hence it may be concluded that...

- a) sufficiently information is not there to conclude anything
- b) Men are actually better drivers but drive more frequently
- c) Women Certainly drive more cautiously than Men
- d) Men chauvinists are wrong about women's abilities.
- e) Statistics sometimes present a wrong picture of things

04) What does the hex number E78 correspond to in radix 7 ?

- a) 12455
  - b) 14153
  - c) 14256
  - d) 13541
  - e) 13112
- ans:d

5)Given that A,B,C,D,E each represent one of the digits between 1 and 9 and that the following multiplication holds:

```
A B C D E
X 4
-----
E D C B A
-----
```

what digit does E represent ?

- a) 4
  - b) 6
  - c) 8
  - d) 7
- Ans: c

6) HCL prototyping machine can make 10 copies every 4 seconds. At this rate, How many copies can the machine make in 6 min.?

- a) 900
  - b) 600
  - c) 360
  - d) 240
  - e) 150
- ans: a

7) if  $a=2, b=4, c=5$  then

$a + b c$   
-----  
 $c a + b$

- a) 1
  - b)  $11/30$
  - c) 0
  - d)  $-11/30$
  - e) -1
- ans: b

8)  $10^2(10^8 + 10^8) =$

-----  
 $10^4$

- a)  $2(10)^4$
  - b)  $2(10)^6$
  - c)  $10^8$
  - d)  $2(10)^8$
  - e)  $10^{10}$
- ans: b

9) Worker W produces n units in 5 hours. Workers V and W, workers independently but at the same time, produce n units in 2 hours. how long would it take V alone to produce n units?

- a) 1 hr 26 min
  - b) 1 hr 53 min
  - c) 2 hr 30 min
  - d) 3 hr 30 min
  - e) 3 hr 20 min
- ans: d (e)

10) if  $q \neq 0$  and  $k = \frac{qr}{2} - s$ , then what is r in terms of k,q,s?

- a)  $2k+s$   
-----  
q
  - b)  $2sk$   
-----  
q
  - c)  $2(k-s)$   
-----  
q
  - d)  $2k+sq$   
-----  
q
  - e)  $2(k+s)$   
-----  
q
- ans: e

11-15 is the reasoning Questions:  
Occurs and Causes available in placement papers.com

Six knights - P,Q,R,S,T and U - assemble for a long journey in two travelling parties. For security, each travelling party consists of at least two knights. The two parties travel by separate routes,northern and southern. After one month, the routes of the northern and southern groups converge for a brief time and at that point the knights can, if they wish, rearrange their traveling parties before continuing, again in two parties along separate northern and southern routes. Throughout the entire trip, the composition of traveling parties must be in accord with the following conditions

- P and R are deadly enemies and, although they may meet briefly,can never travel together.
- p must travel in the same party with s
- Q can't travel by the southern route
- U can't change routes

16) If one of the two parties of knights consists of P and U and two other knights and travels by the southern route,the other members of this party besides P and U must be

- a) Q and S
  - b) Q and T
  - c) R and S
  - d) R and T
  - e) S and T
- ans: e

17) If each of the two parties of knights consists of exactly three members, which of the following is not a possible travelling party and route?

- a) P,S,U by the northern route
  - b) P,S,T by the northern route
  - c) P,S,T by the southern route
  - d) P,S,U by the southern route
  - e) Q,R,T by the southern route
- ans: b

18) If one of the two parties of knights consists of U and two other knights and travels by the northern route, the other memnbers of this party besides U must be

- a) P and S

- b) P and T
- c) Q and R
- d) Q and T
- e) R and T

ans: c

19) If each of the two parties of knights consists of exactly three members of different pX-Mozilla-Status: 0009by the northern route, then T must travel by the

- a) southern route with P and S
- b) southern route with Q and R
- c) southern route with R and U
- d) northern route with Q and R
- e) northern route with R and U

ans: a

20) If, when the two parties of knights encounter one another after a month, exactly one knight changes from one travelling party to the other travelling party, that knight must be

- a) P
- b) Q
- c) R
- d) S
- e) T

ans: e

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1.  $(X-A)(X-B)(X-C)\dots(X-Z)=?$

2. two nos when added make 330. when the last digit of the greater no. is removed 1st no is obtained. find the nos.  
ans. 300, 30.

3: which word can be added at the end of one and at the front of the other to give meaningful results.  
GRASS and SCAPE. Ans: land.

4: a jumbled word is given: the answer is PARACHUTE.

5: at midnight it is raining .do u expect sun after 72 hours.

6: a word is to be added to three given words to give meaningful word .the  
ans is: POST

7: a girl likes 144 but not 145, she likes 900 but not 800....like this. what will she like:  
the ans is 1600.

8: a series of prime nos is given 3,5,7,11>>>find the next no .the ans is 17.

9: a no when multiplied with one less than it results into a no that is 4  
lesser than its square. The ans is 4.

10: A question on some midnight problem was given .The choices are  
given

for the present time: 21:00, 22:00, 23:00, 23:30 etc .

the ans to this problem is 2100 hrs.

11: In this question a square was shown in which there were nine squares  
and

in each square fruits were drawn .

The ans to this question was 25. this is cost of some fruit item.

12: in a company there are salespersons and non salespersons .majority  
of  
employees are salespersons. the percentage of commissioned salespersons  
is

more than the total salespersons ` percentage in the company.

Is majority of employees commissioned .something like that.....

The ans is :YES.

13: there was a statement on dogs that can understand just two words:  
one

was stay and I don't remember the other one. The breed of the dogs were  
shepherd , regger , one other starting from r. this question was a tough

one

and I do not remember the exact statement. but based on this statement  
there

were 5 questions.

The ans to 15th question was C and 17th in the question paper was B.

next question:

A FACTORY produces a product (measured in cubic feet) over seven days  
as per

the following schedule:

Day1 Day2 Day3 Day4 Day5 Day6 Day7

150 180 120 250 160 120 150

The finished goods are to be transported to the market by a truck having a capacity of 2000 cubic feet. Any finished goods (ready at the end of the day) retained overnight at the factory will incur a storage cost of rs.5 per cubic foot for each night of storage. The hiring cost for the truck is rs.1000 per day.

1.If the total cost of transportation and storage is to be minimized, the truck should operate on

- (a) 2nd,4th,6th and 7th days
- (b) only the 7th day
- (c) 2nd,4th,5th and 7th days
- (d) only on 4th and 5th days
- (e) none of these

ans:( )

2.if the storage cost reduces to re.0.80per cubic foot per night,the truck should operate on

- (a)2nd,4th,5th and 7th days
- (b)only the 7th day
- (c)2nd,4th,5th and 7th days
- (d)only on 4th and 5th days
- (e)none of these

ans:( )

#### DATA SUFFICIENCY

Direction:Read the following instructions carefully and answer questions

11-15 given below:

Each question below is followed by two numbered facts. You have to determine

whether the data given in the statement is sufficient for answering the question. Choose one of the following choices best fitting the question

and mark A,B,C,D or E as explained below.

(A) if statement 1 alone is sufficient to answer the question, but statement

2 is not sufficient.

(B) If statement 2 alone is sufficient to answer the question, but statement 1 is not sufficient.

(C) If both statements together are needed to answer the question, but neither statement alone is sufficient.

(D) If either statement by itself is sufficient to answer the question.

(E) If enough facts are not available to answer the question.

13. A dress was initially listed at a price that would have given the store a profit of 20 percent of the wholesale cost. What was the wholesale cost of the dress?

(1) After reducing the asking price by 10 percent, the dress sold for a net profit of 10 dollars.

(2) The dress sold for 50 dollars.

ans:( )

A company manufactures game sets in brass, ebony(wood), and teak (wood).

Each game set consists of the following components: chessmen, checkers, dice and a box which opens into a board, a chess layout being on the outside and

backgammon on the inside. The game sets are called # 1, # 2, #3, # 4 and # 5 in the company's catalog.

In a#1 set, only the chessmen, checkers, and dice are brass.

In a#2 set, only the chessmen and dice are brass.

In a#3 set, only the checkers and box are brass.

In a#4 set, only the box is brass.

In a#5 set, all components are brass.

21. Which of the following components CANNOT both be wooden in a single set ?

- (a) Chessmen, dice
- (b) Chessmen, box
- (c) chessmen, checkers
- (d) checkers, dice

(e) checkers, box

ans:( )

22. A set in which, of the chessmen, checkers, and dice, exactly one is brass, must represent set

(a) # 1

(b) # 2

(c) # 3

(d) # 4

(e) # 5

ans:( )

HCL Technology Interview 2004 in MKU

Technical interview is held for 30 min to 1 hr 20min depending upon the stuff. Concentrated areas are

1) OS Concepts

2) C Programming skill

3) OOPs concepts

4) Basics of Networking

5) Data structures

Only basic QP like

1) What is fragmentation? How do overcome?

2) What is semaphore?

3) What are the IPC Mechanism available? Illustrate with example

4) What is structure and union in c? write the code and explain how they are storing in the memory?

5) They will ask to write one c program ?

6) Explain the data struture (code) for the data structures

i) Double linklist

ii) Minimum spanning tree

iii) BFS and DFS

iv) AVL tree

v) Reverse the linklist

7) Difference between malloc and calloc?

8) write a prg in macro in c?

9) Write a simple MFC program to create a window? (They aaked me write a prg to create a window)

10) Tell about the existing scheduling algorithm?

11) what are all E.F.Codd rule?

12) what is bit slice processor?

13) what is a deadlock? explain it?

14) what is virtual memory?

15) what is circuit switching and packet switching

16) What is the significance of friend keyword in C++?

17) Different types of inheritance?

18) do u want to ask anything from us?

HR interview

This ranges from 20 min to 45 min. They expecting ur

i) Focussing towards the technology

ii) Adaptability

iii) Family Background

iv) Team spirit

i) Tell abt yourself?

ii) what are all ur hobbies?

iii)why did u prefer your area of interest?

iv) why did u wanna be in HCL?

v) why did u choose MCA?

vi) howz interview is going on?

vii) Some general technical qp from ur area of interest?

viii) how'll u react if u r assigned in the non area of interest?

(adaptability)

ix) how're getting information abt the company?

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