## **HCL Placement Paper 2**

## **HCL TECHNOLOGIES** Q)Piggy backing is a technique for a) Flow control b) sequence c) Acknowledgement d) retransmition ans: c Q)The layer in the OST model handles terminal emulation a) session b) application c) presentation d) transport ans: b application Q)In signed magnitude notation what is the minimum value that can be represented with 8 bits a) -128 b) -255 c) -127 d) 0 Q)There is an employer table with key feilds as employer no. data in every n'th row are needed for a simple following queries will get required results. a) select A employe no. from employe A, where exists from employe B where A employe no. >= B employe having (count(\*) mod n)=0 b) select employe no. from employe A, employe B where A employe no.>=B employ no.grouply employe no.having(count(\*) mod n=0) c) both a& b d) none of the above Q)Type duplicates of a row in a table customer with non uniform key feild customer no. you can see a) delete from costomer where customer no. exists ( select distinct customer no. from customer having count ) b) delete customer a where customer no. in b rowid c) delete customer a where custermor no. in ( select customer no. from customer a, customer b ) d) none of the above Q)long int size a) 4 bytes b) 2 bytes c) compiler dependent d) 8 bytes ans: compiler dependent Q)x=2,y=6,z=6x=y==z;printf(%d",x) ? Q\}what does the hexanumber E78 in radix 7. (a) 12455 (b) 14153 (c) 14256 (d) 13541 (e) 131112 ans: (d) Q) Q is not equal to zero and $k = (Q \times n - s)/2$ find n? (a) $(2 \times k + s)/Q$ (b) $(2 \times s \times k)/Q$ (c) $(2 \times k - s)/Q$ (d) $(2 \times k + s \times Q)/Q$ (e) (k + s)/Q(from GRE book page no:411) data: A causes B or C, but not both F occurs only if B occurs D occurs if B or C occurs E occurs only if C occurs J occurs only if E or F occurs D causes G,H or both H occurs if E occurs G occurs if F occurs NOTE: check following answers. Q). If A occurs which of the following must occurs I. F & G II. E and H

III. D

(a) I only (b) II only (c) III only (d) I,II, & III

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(e) I & II (or) II & III but not both
ans: (e)
Q). If B occurs which must occur
(a) D (b) D and G (c) G and H (d) F and G (e) J
ans: (a)
Q). If J occurs which must have occured
(a) E (b) either B or C (c) both E & F (d) B (e) both B & C
ans: (b)
Q). which may occurs as a result of cause not mentioned
(1) D (2) A (3) F
(a) 1 only (b) 2 only (c) 1 & 2 (d) 2 & 3 (e) 1,2,3
ans: (c)
Q). E occurs which one cannot occurs
(a) A (b) F (c) D (d) C (e) J
ans: (b)
* * * * *
HCL-TECH (MADURAI)
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 declaraion is a function returning a
pointer to an
integer and the second is a pointer to function
d) Both are different ways of declarin pointer to a
function
Answer: c) The first de...
2. What are the values printed by the following
program?
#define dprintf(expr) printf(#expr "=%d\n",expr)
main()
int x=7;
int y=3;
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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 *p;
c = (char *) malloc(100);
p=(int *)c;
free(p);
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 %x\n",p,i);
ans:0X8A
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
b) In C parameters are passed by value. The funciton
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 funtion 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
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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
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 th output of the following program?
int x = 0x65;
main()
char x;
printf("%d\n",x);
a) compilation error b) 'A' c) 65 d)
unidentified
12. What is the output of the following program
main()
int a=10;
int b=6;
if(a=3)
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
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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(src,dst);
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(I)
{ default : I+=2;
case 4: l=4;
case 5: I++;
break;
printf("%d",I);
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 f
ollowing 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
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2) The total amount that the company paid in bonuses

Answer: d) compilation error

to its employees was Rs.10,000

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

## 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 1/5 mile and Rs 0.20 for each 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