

# HCL Placement Paper 6

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HCL technologies paper { MANIT , bhopal ( 25th -26th july) }

Application software

Two section were there one section is aptitude ( 35 questions – 35 minutes ) and other is general technical awareness ( 25 qus-25 min ).

Each qus have 1 mark for correct and  $-1/4$  for incorrect answer .General technical awareness is very very simple need not to be send .It was based on c, c++ and computer awareness.

Q1. In a island there are people of two community type 'A' and type 'B'. people of this island can ask question only. Questions asked by type 'A' have correct answer YES and question asked by type 'B' have correct answer 'NO'.

Five question are based on this paragraph.

1) One person asked another person "am I a type of 'B'"? what is type of person who asked question.

a) type 'A'

b) type 'B'

c) either 'A' or 'B'

d) such question can not be asked.

2) person of type 'A' asked to his wife " are we of same type" . What is type of his wife?

Three more question were there of same type read this paragraph carefully so that this does not take much time.

Q2 . There are six people A,B,C,D,E,F and five cars .cars are stand in sequence numbered 1 to 5 and each car can be share by two persons only.and conditions are

'A' will share car

'B' will sit alone

'F' will not share car with 'D' and 'E'

'D' will drive car 3rd or 4th car

'E' will drive a car which is behind the car with vacant seat.

Following are the qus based on this para

6) if 'D' are sit on the 3rd car how many different arrengment will be there.

total 7- 8 question asked from this paragraph search this qus. in GRE book. I don't remember the qus. And there ans because this was very tough .

Q3

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. Is  $X = Y$ ?

(1)  $X - Y = X^2 - Y^2$  ans:( )

(2) X and Y are greater than 1.

14. Is CAB a code word in language Q?

(1) ABC is the base word.

(2) If c immediately follows B, then C can be moved to the front of the code word to generate another word?

ans:( )

15. 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:( )

16. If X and Y do not equal 0, is X/Y an integer?

- (1) X is prime
- (2) Y is even ans:( )

17. What is the price of a banana?

- (a) 14 banana and 35 oranges cost Rs. 84
  - (b) with a 50% discount on banana, Rs. 12 can buy 4 bananas and 5 oranges.
- ans:( )

two deadly questions on series.

Some qus on fill in the blanks .

6.  $A+B=C+D$ ;  $A+C=B+D$  ;  $2A>B+D$ ;  $2C<B+D$ ; Find the arrangements of the letters like e.g:  $A>B>C>D>$  etc and all.

Q.NO.1&2

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:( )

6.if  $a+d=b+c$ ,  $a+e=c+d$ ,  $2c>b+d$ , then

- (a)  $a>b>c>d>e$
- (b)  $b>a>d>c>e$
- (c)  $d>b>c>a>e$
- (d)  $b>c>d>e>a$  ans:( )
- (e) none of these

Q21. three students appear in a test but no one write there name on answer sheet .and they submitted their sheet to teacher . when teacher distributed their answer sheet . what is probability that no one get their own answer sheet.

HCl came to PEC on 22ND

1. give a word which when put behind GRASS and in front of SCAPE gives 2 different english words

ans : LAND

2. jumble word

ans: PARACHUTE

3. picture puzzle

ans: 23 or 25 don't remember exactly

4. divide 330 into 2 numbers such that removing 1 zero from right of one gives the other no

ans: 300 and 30

5. one ques of time calculation

ans: 21:00 most probably

6. sally likes 225 not 224, likes 144 not 143

ans: 1600 ( has to be perfect square)

7. 8. 9. 10. 11

ques on reasoning .....given some dogs ( don't attempt this if running short of time )

could not solve it

12 . it is raining at night. is it possible to see sunshine after 72 hrs

ans: NO ( after 72 hrs it still is night....no sunshine )

hcl perot system

Section 1

logical reasoning 10 Qs

1. BDC EGF HJI KML?

Ans a. PQS b. MPO c. NPO d. QST

2. 2 4 6 12 14 28 ??

3. in a crowd there are 7 heads and 27 legs..how many are hens and cows?

Qs 4 to 10 were all series. go through TMH test of reasoning.

Qs 11 to 20 were data analysis

again go through TMH

they were long Qs so i dont remember any as i did not appear in them as the paper was too lengthy.

they were of types that 5-6 statements were given and then u have to find the conclusion

Qs 20 to 35 were completely mathematics Q's and all from quantitative aptitude by rs agarwal. the Q's were all same given in rs agarwal. so go through that book.

some Qs i remember are

21. a man bought 30 kgs at cost 10.5rs/kg and 30 kgs at cost 9.5rs/kg. he combines the two. at what price should he sell to have a gain% 35%?

22. find the result

$(2-1/3)(2-3/5)(9/7)(2-997/999)$

ans none of these

23. total no of prime nos between 1 to 70

ans 20

24. three lights change after 48, 72, 108 secs. at 08:20:00 they all changed together. at what time will they again change together?

25. a team of men do a work in 25 days. in how many days will a team of equal ppl will do the same twice if 2 men of the first team do equal work as 3 men do of other team

26. 30 yrs ago av age of A n B was 18. after 30 yrs av age of A, B n c is 22. what is the age of c?

27. if a no is divided by 999, qt is 366 and rem is 103. what is the no?

28. 126 m train at a speed of 30kph and 114 m train at a speed of 42kph cross each other. how much time do they take?

29. a bridge is 1 km. a train half of length of bridge crosses it in 2 mins. what is its speed?

30. a do a work on 6 days. b do a work in 8 days. they both do a work for rs 640. c join them n they do the work in 3 days. how much did they pay to c?

some other similar Qs. this is all i remember in this sec.

section 3

36 to 45

based on simple c programs and simple assembly language programs.

36.  $i=1680$

$j=4$

if(( $\text{mod } i, j$ )=0)

$i=i/3$

$j=j+i$

what will be the o/p after termination?

37.  $\text{min} = d$

$a < d, \text{min} = a$

$b < d, \text{min} = b$

$c < d, \text{min} = c$

$c < b, \text{min} = b$

some conclusions were given and u have to select the right conclusion

38.

1's complement of 1100110

39. add program of assembly lang was given and was asked to select the error

40. total no of 1 bits in  $1536 * 448 * 24 * 3$

41., 42 and 43... a flow chart was given and values of x, y and z were given and then u have to solve them. very simple but time consuming.

42. and 43. a program in c was given something like assign 0 to d

$i=1$

$j=1$

$k=1$

$x=i+j+k$

if  $x/3$  has a rem 0 then increment d by 1

add 1 to k

something something and they asked u the value of d in 42 and the no of loops in 43 for step 6.