> Wipro paper(System software)
> July-1997
> ------------
>
> PART --A
> --
> 1) abcD+abcd+aBCd+aBCD
>   then the simplified function is
>   (Capital letters are copliments of corresponding letters
>   A=compliment of a)
>
>   [a] a   [b] ab   [c] abc   [d] a(bc)* [e] mone
>   (bc)*=compliment of bc
>
>   Ans: e
>
> ------------------------------------
> 2) A 12 address lines maps to the memory of
>
>   [a] 1k bytes   [b] 0.5k bytes [c] 2k bytes   [d] none
>
>   Ans: b
>
> -------------------------------------
> 3) In a processor these are 120 instructions . Bits needed to
impliment
>   this instructions
>   [a] 6   [b] 7   [c] 10   [d] none
>
>   Ans: b
>
> --
> 4) In 8085 microprocessor READY signal does.which of the following
>   is incorrect statements
>   [a]It is input to the microprocessor
>   [b] It sequences the instructions
>
>   Ans : b
> --
>
> 5) Return address will be returned by function to
>   [a] Pushes to the stack by call
>   Ans : a
> ---
> 6)
>   n=7623
>   {
>   temp=n/10;
>   result=temp*10+ result;
>   n=n/10

```
>     }
>
> Ans : 3267
> ------------------------------------------------
> 7) If A>B then
>         F=F(G);
>     else B>C then
>         F=G(G);
>     in this , for 75% times A>B and 25% times B>C then,is 10000
instructions
>     are there ,then the ratio of F to G
>     [a] 7500:2500  [b]  7500:625  [c] 7500:625 if a=b=c else
>                                      7500:2500
> ---------------------------------------------------
> 8) In a compiler there is 36 bit for a word and to store a character

8bits are
> needed. IN this to store
>   a character two words are appended .Then for storing a K characters

string,
>   How many words are needed.
>   [a] 2k/9  [b] (2k+8)/9  [c]  (k+8)/9 [d] 2*(k+8)/9 [e] none
>
>   Ans: a
> -----------------------------------------------------------
> 9) C program code
>
>     int zap(int n)
>     {
>      if(n<=1)then zap=1;
>      else  zap=zap(n-3)+zap(n-1);
>     }
>     then the call zap(6) gives the values of zap
>     [a] 8  [b]  9  [c] 6  [d]  12  [e] 15
>
>    Ans: b
> -----------------------------------------------------------------
>
>
> PART-B
> -------
> 1) Virtual memory size depends on
>     [a] address lines     [b] data bus
>     [c] disc space        [d] a & c     [e] none
>
>   Ans :  a
> ----------------------------------------------
> 2) Critical section is
>     [a]
```

```
>      [b] statements which are accessing shared resourses
>      Ans : b
> -------------------------------------------------
>
> 3) load a
>     mul  a
>     store t1
>     load  b
>     mul    b
>     store t2
>     mul t2
>     add t1
>
>    then the content in accumulator is
>
> Ans : a**2+b**4
> ----------------------------------------------------
> 4) question (3) in old paper
> 5) q(4) in old paper
> 6) question (7) in old paper
> 7) q(9) in old paper
> ----------------------------
>
```

section-1:
questions not in order.

1.distance D=rt where r & t are +ve and r is constant,as t increses
then
      D_____

ans:D increses irrespective of r & t

2.E=I*I*R what is the effect of E when I becomes I/2

ans:1/4E(E decreses by 4 times)

3.out of 55 eggs 5 are defective. what is % of defective eggs

ans:9/11%

4.salary is 's' per month,'x'% of salary is given as bonus, if 3 month
s
salary is s1,s2 & s3 then what is his salary.

ans:s1*x/100 + s2*x/100 + s3*x/100

5.consider expresion 'ab' . what happens when 'a' is divided by 'c' &
'b' is
  multiplied by 'c'.

ans:value remains same.

6.area of triangle=1/2*b*h base incresed by 4 times & height is devide
d
by
  2, the net effect of area.

ans:twice the the original area.

7.in base representation for a rupee 100 paise,then base 8
representation
  what is rupee value .

ans:144

8.A>B,B>C,C=D,D>E,then which is greatest
  a)A/B b) A/C c) A/E d)none

ans: c

9.to travel 'm' miles the time is 'h' hours,then what is the time take
n
to
  travel M miles.

ans:M*h/m

10.a sum 's' is devided into 4 parts.second person gets Rs 10 more tha
n
  first.3rd person is Rs 10 more than second, 4th is 10 more than 3rd.
  how much amount do 1st person get.

ans;(s-60)/4

11.fridge cost R Rs,cover value is 5,discount d% then its new cost

ans:R-R*d/100-5(1-d/100)

12.1/8 is devided by 's' , if 's' is incresed by 2 times, what is the
result.

ans:increses two times.
  section 2. letter series

```
   1. a c b d f e g i __     ans: h
   2. x y z u v w r s t __  ans: o
   3. a c f j o __          ans:u
```

section 3.   numerical ability

```
  1. 10099+99=10198
  2. 31 – 29+2/33=__    ans:64/33
  3. 2.904+0.0006=___   ans: 2.9046
  4. 55/1000=___        ans:.005
  5. 0.799*0.254= 0.202946
  6. 200/7*5.04=144
  7. 842.8 +602=1444.8
  8. 5.72% of 418= 23.9096
  9. 625% of 7.71=48.1875
 10. 25% of 592=148.00
 11. 665+22.9=687.9
 12. 15% of 86.04=12.906
```
section 4 : DIAGRAMMING
----
each flowchart contains 5 questions .
in each flow chart,there will be 5 numbered(1,2,3,4&5)
boxes(cells).each cell we have to fill with the conditions given below
.

1. 400 employee(not complete question)
   different categories based on age,salary,lenth of expereince in
years
  ANSWER.
 cell 1-c,cell2-a,cell3-b,cell4-e,cell5-d.

2. 10 balls,red,black balls.
     2 points for red balls etc.. 3 points for a ball
    if it is of the same colour as preceeding one..
ANSWER:
      cell 1-c,cell 3-d,cell 5-d,cell 2-e,cell 4-e.
                       <ceded>
3.
    30 coins. these are divided into 3 groups:A,B,C to find
    the only largest weight coin,other 29 coins are of lower weight.
  ANSWER:
       D A C A C.

 4.
 totally there are 100 numbers to find largest(LNUM).smallest(SNUM).
ANSWER:
    A _ D _ _ _
        HINT;;
             feed problem to adjust temperature and pressure for
optimal production.
             (answer not known exactly.).

```

5.bag red,black balls,different condition
                                odd,red etc
                ANSWER:
                        C_C___
    ------------------------------end --------------------------

there two types of jobs in wipro.1 is soft ware side
                                2 is hard ware side


 in soft ware side there is only interview (no test)
 in hard ware side both test & interview.
 for software interview the main possible areas to ask are
    1.a deep look into C
    2.an outlook of datasrtuctures
    3.operating systems
    4.networking mainly ethernet,internet etc..


    .................Anji

BFL  PAPER  (COMPUTER AWARENESS TEXT) (45QUESTIONS  ,+1,-1/4,45MIN)
(ITH IN BRACKETS  ANSWERS)
1.In scanf   h  is used for (short int)
2.process is (program in execution)
3.thread is (detachable unit of executable code)
4.advantage of Win NT over Win 95 (robust &amp;secure)
5.memory managemant in Win95 (paging &amp;segmentation)
6.SQL indicates (all above)
7.polymorphism(function &amp; operator overloading)
8.inheritance is(all properties of existing class are derived)
9.FTP(transfer a file  b/w stations with user authentification)
10.TCP in transport  layer (connection oriented)
11.gateway is used (to connect incompatible networks)
12.linked list is implemented by (referential structures)
13.multitask win95 (preemptive or  non preemptive   check)
14.functional dependency (  answer  C)
15.semaphore is (synchronization of multiple processes
16.precedence order from high to low (  ( )  ++  /  )
17.preorder of  A*(B+C)/D-G  (*+ABC/-DG)
18.B-tree (failure nodes at same level)
19.dense index (index record appers for every search -key in file)
20.answer for one questions (   (*p).value =5  )
21.merge sort  time complexity (  O(n log n)   )
22.program on swaping   (   10,5 )    given values  are not changed
23.routers used   (in network layer )
24.packets are formed ( in network layer )
25.heap  ( priority queue )
26.copy  constructor ( constant reference )
27.while following sorting algorithem has average sorting behavior

(heap
sort )
28.in binary search tree  which traversal is used for getting ascendin
g
order values (inorder )
29.device drivers is used ( tool for a i/o devices)  i am not sure
30. irrevalent  to unix  command ( getty)
31.fork in unix (system call used to create process)
32.make (creation of more than one file )
33.in unix .profile contains ( start up program)
34.in unix  echo is used for ( answer C)
35.in unix  'ls 'stores contents in(  inode block)
REFER  GRE ( 12 TH EDITION)(QUANTITATIVE  20 Q ,+1,-1/4)
QUANTITATIVE :-
MODEL TEST 1. SECTION 3,PAGE 435 :- QUESTIONS(Q )  17 TO 20,26 29
MODELTEST 1,SECTION 4,PAGE 441:-  Q  26,28,29
MODEL TEST 2,SECTION 3,PAGE 483:- Q 18,19,20,29,30there are 3 sections

sec 1 : 20 questions
sec 2: 40
sec 3:15
30 minutes/section
==================
section 1+2

Q1(passage)
there are 5 medicines which are to be tested........
   cond: 1. p is stronger than q
         2. r is less than s
         3. q....
an: 1.p is more stronger
    2.statement 1234
    3.there are atleast 4 medicines in every test less than m
      ( all these are different correct ans for Q1. passage

Q3 (passage)
there are 6 persons k,l,m,n,o,p to give seminar
cond: 3 persons should give before lunch and 3 after lunch
       l should immediately precede the seminar of m
       there should be no gap between l and m .....

ans: 1. L position is 2
     2  m pos is 5
     3. k pos is 4


Q4(passage)
 A is daughter of Y, Z is father of Y. Q is son of Z,
    1.if T is son of Y, then
          ans: T and A brother/sister

      2. if m is brother of T, then
      ans :Z is grandfather of M and  M & A are brother/sister
      3. if Q is son of Z them
      ans: Q & Y are brothers
Q. if speed of ongoing train is 24 and while return is 48
avg = ----   ans:32

section 2

Q. 0.23 + 0.02323 + 0.002323....  == ???
Q.0.4 + 0.44 + 0.444 ..... = ???
Q.1,2,2,4,8,? ans:32
Q.55*55*55+45*45*45/55*55-55*45+45*45 ans:100
Q.4^^61 + 4^^62 + 4^^63 + 4^^64 . this sum is divisible by which of
the following ? ans:17

Q. there are 12 fig series ( simple from RS.AGARWAL)


section 3
*** PROG LANG TEST

Q 1: n=11
Q2 : count=33
Q3 : n<=36

Q. n=3
   do while(n<=6)
   n=n-1;
   n=n*(n+1)
   end
Q if max() gives max of 3 nos, and min() min of 3 nos......
ans : 3

Q. there is a flow chart consisting n,sum, and count
   a condition is that : n > 10
   ans: sum=45, n=11;


Hi,Tulasi..
        Iam Sending Chatergy Paper. Paper consists of Section A &
        Section B. Section A consist of Aptitude. It is very very
        easy. You can do the aptitude in 10 minutes. The total time
        is one hour. There is -ve marking.In Section B there are 3
        parts. Part 1 is C,part 2 is C++,Part 3 is general. You should
        give much much preference to C++. C++ is very very important.
        C language questions are very easy. You give much time for
        solving C++ programs. In the interview also they are asking
        C++ only. You should be thourough in C++ in friend function,
        Inheretence,constroctors.In Section B each part consits of

10 questions. There are 30 aptitude questions.

ALL THE BEST.

Aptitude
---------
1)A sequence is given. You should find out error & write correct
answer. 1 2 5 10 13 26 29 48. Error is 48,there you should write 58.
2)2,3 6,7 14,15 29,46. Error is 46. In every pair you add 1 to get
second number. Ans:29+1=30
3)A fish problem is given.Ans:72
4)John's age like that there is one age problem. Ans:16
5)A girl is 13'th highest,13th lowest. How many member.Ans:25
6)Cookies problem. Ans:23.
7)Rearrange MERGANY Ans:GERMANY (country)
8)Rearrange BBIRAT Ans:RABBIT
C LANGUAGE
----------
1)#define min((a),(b))   ((a)<(b))?(a):(b)
main()
{
 int i=0,a[20],*ptr;
 ptr=a;
 while(min(ptr++,&a[9])<&a[8]) i=i+1;
 printf("i=%d\n",i);} Ans:5.
2)main()
{char a[10]={1,2,3,4,5,6};int x;
for(x=0;x<4;x++){ b[x]=x+'a';}
printf("%s",b);} Ans:abcd56
3)Linked Lists are preffered than arrays to get advantage while
a)Insertion b)Deletion c)Accessing Element d)None
4)question on Stack
5)3 programs on recursion
6)~(~0<<8)? Ans:Last 8 digits are 1's rest are 0's.
7)int a,b=3,c=2;
 a=b++*c;c=++b*a;Some thing like this.
 print a,b,c? Ans:6,4,24
C++
----
1)Virtual Functions in C++(Refer to 13'th chapter first two
examples of LAFORE Book)
2)Which of the following is not true regarding FRIEND function
Ans:If y is friend of x and z is friend of y then z can access
private of x.
3)Given some program on "&" operator overloading.
4)class X{

```
    public:X(){ cout<<"This is Base";}
  };
  class Y:public X
  { public:Y(){cout<<"This is Derived";}};
  what is printed when an object of Y is created?
5)One question on reference variable in C++.Ans:&a.
GENERAL SECTION
----
1) Number of nodes in Binary tree with height 3:Ans:7
     (Refer to Formula 2^^n-1)
2)TCP/IP is used in? Ans:LAN/WAN
3)Host IP Address is? Ans:32 bits OR 4 bytes.
```

MODEL TEST 2,SECTION 4,PAGE  489 :- Q 16,30
MODEL TEST 2,SECTION 7,PAGE 501 :- Q 16
     ANALYTICAL ABILITY  ( 20 Q, +1,-1/4)  QUANTUM+ANALYTICAL 45MIN
1. PAGE 397 Q 7-11( THE OFFICE STAFF OF THE XYZ CORPORATION)
2PAGE 397 Q 14-17 ( AFTER MONTHS OF TALENT SEARCHING FOR AN
ADMINISTRATIVE
ASSISTANT
3.PAGE 400 Q 29-31(A CERTAIN CITY A  SERVED BY SIX SUBWAY LINES)
4.MODEL TEST1,SECTON5,PAGE443,Q13-16(IN A CETTAIN SOCIETY THERE ATE TW
O
MARRIAGE GROPES RED , BROWN)
5.MODELTEST3,SECTION6,PAGE544,Q 1-4(ALL G'S ARE H'S ,ALL G'S ARE J'S O
R
K'S)