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TCS 21june 2004, anna university, campus

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filtering

-candidates appeared : 2500

-shortlisted : 448

-after tech and HR shortlisted : 235

pattern

-verbal 30 questions 20 min

10 Q - syn

10 Q - anto

10 Q - fill in the blanks

-Quantitative 34 questions 40 min

-Critical Reasoning 12 questions 30 min

4 Para 3 Q each

-phycometry 150 questions 30 min

if shortlisted then,

-Tech round

again if short listed,

-HR round

Q paper set C

note that, The Qpaper had as May 2001 as date. note the

answers may not be correct. try ur self.

i am just trying 2 help u.

verbal

<1>Isotropic

<2>Daze

<3>Cryptic

<4>Repudiate

<5>Rupture

<6>Dangle

<7>Translucent

<8>Revocable

<9> <10> <11> <12> <13> <14> <15> <16> <17> <18> <19>

<20>

other i can not remember others. they where from 2001

papers.

be care full (11) 2 (20) r opposites. some had not

seen this.

fill blanks

one para was given and asked some choices more than number of blanks given. we have 2 choose the choice in the blank.

it was about poeple 2 put money in market. about risk and etc.

it was easy.

quant

<1> If $g(0)=g(1)=1$ And $g(n)=g(n-1)+g(n-2)$

find $g(6)$;

Q like this one. just know the method

Sol:

$$G(0) = 1$$

$$G(1) = 1$$

$$G(2) = G(1) + g(0) = 2$$

$$G(3) = g(2) + g(1) = 3$$

$$G(4) = g(3) + g(2) = 5$$

$$G(5) = g(4) + g(3) = 8$$

$$G(6) = g(5) + g(4) = 13$$

<2>A plane moves from $9^{\circ}N40^{\circ}E$ to $9^{\circ}N40^{\circ}W$. If the plane

starts at 10 am and takes 8 hours to reach the destination, find the local arrival time?

Q like this one. just know the method

Ans:

The time is calculated on the basis of longitude.

(Based on sunrise)

Sun rises earlier in Calcutta than in Mumbai.

The 40 degrees east and 40 degrees west are calculated from 0 degrees.

The plane has travelled westwards by $40 + 40 = 80$

Degrees. (WEST)

For each degree there is a difference of 4 Minutes.

The difference in timings is 320 Minutes behind.

As per the starting point time 10.00 AM the flight should have reached at 6.00

PM.

Reducing 320 Minutes from it we get 12.40 PM local time at the destination

<3>Given \$ means Tripling and % means change of sign

then, find the value of $\$ \% \$ 6 - \% \$ \% 6$

Q like this one. just know the method

ans

$$((3)^*(-1)^*(3)^*6) - ((-1)^*(3)^*(-1)^*6)$$

<4>The size of a program is N. And the memory occupied by the program is given by $M = 4000 \sqrt{N}$. If the size of the program is increased by 1% then how much % inc in memory?

ans

$$=(4000(\sqrt{1.01N}-\sqrt{N}))/4000\sqrt{N}$$

<5>what is the largest prime number in 8 digit number?

ans

251

<6>the word ****12***** was given.they asked us to do change 1st 2nd,3rd 4th,so on.then they asked what will be 10th letter from right?

Q like this one. just know the method

ans

2

<7>they asked the temperature problem.it was same as previous papers.the ratio was $-t^2/6+4t+12$. it is like

if t is the diff in temp. then find % change in temp

from 5 to 9 pm.

Q like this one. just know the method

<8>the ques on a man,a woman and a boy finish work together in 6 days.man takes 10 days, woman takes 24 days then how much boy will take?

ans

40 days

<9>the matrix of a(7,9) was given.the address of the first byte of a(1,1)=3000.it takes 4 bytes to store the number.then calculate the address of the last byte of a(5,8).

ans

$3000 + (4 \times 4 \times 9) + (4 \times 8)$ row major form

<10> $\text{modulo}(373,7) + \text{round}(5.8) + \text{truncat}(7.2) - \text{round}(3.4) =$

?

ans

$12 = 2 + 6 + 7 - 3$

<11>the bucket size is 10KB.it takes 0.0001 KB/milisee
to fill bucket.the bucket takes 100 or 1000 milisee to
reach to destination.it takes 100 milisee to pass
acknowledgement from dest to source.so calculate how
much time will it take to pass N KB ,write formula.

Q like this one. just know the method

<12>1234 in wick system for number xxx number?

Q like this one. just know the method

<13>they asked us to match the pairs.they were like

basmati-wheat not type of

scooter-vehicle type of

etc

4 choices

<14> Complete the series 3,5,9,__,35,65

ANS

17

<15>If CYRNFR is coded as PLEASE then TNVA can be
coded as -----

ANS

GAIN

<16>A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs.9/- per meter. Find the total of laying the cable.

Q like this one. just know the method

ans

$$=(900*5)+((3000-900)*9)$$

<17>Select the odd one out. a. Java b. Lisp c.

Smalltalk d.Eiffel.

ANS

LISP

<18>Select the odd one out a. Oracle b. Linux c.

Ingress d. DB2

ANS

LINUX

**<19>Find the physical quantity represented by (FORCE *
LENGTH)/(VELOCITY*VELOCITY)?**

ANS

d sqr/ t

<20>Given the length of the 3 sides of a triangle.

Find the one that is impossible?

**(HINT : sum of smaller 2 sides is greater than the
other one which is larger)**

**<21>Find the singularity matrix from a given set of
matrices?**

(Hint $\det(A) \neq 0$)

**<22>Which of the following set of numbers has the
highest Standard deviation?**

7,0,7,0,7,0

-7,-7,-7,-7,-7,-7.

7,-7,7,-7,7,-7

-7,-7,-7,-7,-7,-7

ans

3rd

<23>A 1 0 0 1 0 0 0 1

B 0 1 1 0 1 0 1 0

C 1 0 0 1 0 1 1 0

$(A \cup B) \cap C = ?$

ans

u is OR, n in AND

<24>some Venn diagram was given about english, hindi and bengali speaking opeople. 3 sums were asked easy manageable. about % of bengali speaking people not speaking hindi but speaking english. etc

<25>what shape will be obtained using these values

X	Y
0	0.001
10	1.02
100	1.72
1000	3.00
9999	4.72

ans

log x

<26>some BAR CHART and pie chart given & 2 or 3

question were asked fairly easy.

bar was about people joining each yr and pie chart

about % of people.

about which yr had max growth %, like that.

<27>based on deg, minutes and radians Q.

just remember $1 \text{ deg} = 60 \text{ min}$ and $1 \text{ min} = 60 \text{ sec}$.

Q such that u have 2 carry over.

<28>graph given and asked 2 write equation. it was

some x cube graph.

<29>which of the following is power of 3

ans

add the digits. 2 will divide. divide the numbers

thrice with 3 time, 1 will not.

<30>which of the following are orthogonal pairs a)

$3i+2j$ b) $i+j$ c) $2i-3j$ d) $7i+j$

a and c

<31>if A,B,C are the mechanisms used separately to

reduce the wastage of fuel by 30%,20%,10% . what will
be the fuel economy if they were used combine.

ans

$$=70/100 * 80/100 * 90/100 * 100$$

<32>faces, sides, edges of a cube asked.

ans

6,---

critical

<1>M,N,O,P,Q& R are some person . They stay in five
story building & some condition are given

<2>x is having father, mother, aunt, bro, sis,
daughter. like p,q,m,n,s,t. p and q opp. sex. m and
same sex. s younger than p like this some Q. some Q
were asked.

<3>about 7 people standing. a,b,c,d,e,f,g.

ab together always.

d before e always.

f(1) and g(last) or g(1) or flast

some Q asked, about how amny possilbesties and some other Qs.

<4>do not remember.

psyc

alwasy the some 150 Q.

Y-1. You start to work on a project with great deal of enthusiasm.

N-2. You would rather plan an activity than take part in it.

Y-3. You have more than once taken lead in organizing project or a group of some kind.

Y-4. You like to entertain guests.

N-5. Your interests change quickly from one thing to another.

N-6. When you eat a meal with others, you are usually one of the last to finish.

N-7. You believe in the idea that we should " eat, drink and be merry, for tomorrow we die."

N-8. When you find that something you have bought is defective, you hesitate to demand an exchange or a refund.

Y-9. You find it easy to find new acquaintances.

N-10. You are sometimes bubbling over with energy and sometimes very sluggish.

Y-11. You are happiest when you get involved in some projects that calls for rapid action.

N-12. Other people think of you as being very serious minded.

N-13. In being thrown by chance with a stranger, you wait for the person to introduce himself or herself.

Y-14. You like to take part in many social activities.

N-15. You sometimes feel "just miserable" for no good reason at all.

N-16. You are often so much "on the go" that sooner or later you may wear yourself out.

Y-17. You like parties you attend to be lively.

Y-18. If you hold an opinion that is radically different that expressed by a lecturer, you are likely to tell the

person about it either during or after the lecture.

N-19. It is difficult for you to chat about things in general with people.

N-20. You give little thought to your failures after they are passed.

N-21. You often wonder where others get all the excess

energy they seem to have.

Y-22. You are inclined to stop to think things over before you act.

N-23. You avoid arguing over a price with a clerk or sales person.

Y-24. You would dislike very much to work alone in some alone place.

N-25. You often find it difficult to go to sleep at night because you keep thinking of what happened during the day.

N-26. You find yourself hurrying to get to places even when there is plenty of time.

Y-27. You like work that requires considerable attention to details.

N-28. You are satisfied to let some one else take the lead in group activities.

Y-29. You enjoy getting acquainted with people.

Y-30. It takes a lot to get you emotionally stirred up or excited.

N-31. You work more slowly and deliberately than most people of your sex and age.

Y-32. You are a carefree individual.

N-33. When people do not play fair you hesitate to say anything about it to them.

N-34. It bothers you to have people watch you at your

work.

Y-35. You have usually been optimistic about your future.

N-36. You like to have plenty of time to stop and rest.

Y-37. You take life very seriously.

Y-38. You enjoy applying for a job in person.

Y-39. You would like to be a host or hostess for parties at club.

N-40. You often feel uncomfortable or uneasy.

Y-41. You are the kind of person who is "on the go" all the time.

Y-42. You often crave excitement.

N-43. The thought of making a speech frightens you.

Y-44. You find it easy to start conversation with strangers.

N-45. You often feel guilty without a very good reason for it.

Y-46. People think you are a very energetic person.

N-47. You sometimes make quick decisions that you later wish you hadn't made.

N-48. You find it difficult to ask people for money or other donations, even for a cause in which you are interested.

Y-49. You are so naturally friendly that people

immediately feel at ease with you.

N-50. You daydream a great deal.

Y-51. You are quick in your actions.

N-52. You have a habit of starting things and then losing interest in them.

Y-53. When you were a child many of your playmates naturally expected you to be the leader.

N-54. You sometimes avoid social contacts for fear of doing or saying the wrong thing.

N-55. You have frequent ups and downs in mood, sometimes with and sometimes without apparent cause.

Y-56. You always seem to have plenty of vigour and vitality.

N-57. It is difficult for you to understand people who get very concerned about things.

Y-58. When a clerk in a store waits on others who come after you, you call his or her attention to the fact.

Y-59. You would be very unhappy if you were prevented from making numerous social contacts.

N-60. There are times when your future looks very dark.

N-61. You sometimes wish that people would slow down a bit and give you a chance to catch up.

N-62. Many of your friends think you take your work too seriously.

N-63. You hesitate to walk into a meeting when you know that everyone's eye will be upon you.

N-64. You limit your friendships mostly to members of your own sex.

Y-65. You almost always feel well and strong.

N-66. You seem to lack the drive necessary to get as much as other people do.

N-67. You make decisions on the spur of the moment.

N-68. You are rather good at bluffing when you find yourself in difficulty.

N-69. After being introduced to someone , you just cannot think of things to say to make good conversation.

N-70. You feel lonesome even when with other people.

Y-71. You are able to work for unusually long hours without feeling tired.

N-72. You often act on the first thought that comes into your head.

Y-73. At the scene of an accident, you take an active part in helping out.

N-74. You have difficulty in making new friends.

N-75. Your mood often changes from happiness to sadness or vice versa without knowing why.

N-76. You talk more slowly than most people.

N-77. You like to play practical jokes upon others.

Y-78. You take the lead in putting life into a dull party.

Y-79. You would like to belong to as many clubs and social organizations as possible.

N-80. There are times when your mind seems to work very slowly and other times when it works very rapidly.

N-81. You like to do things slowly and deliberately.

N-82. You are a happy-go-lucky individual.

N-83. When you are served stale or inferior food in a restaurant, you say nothing about it.

N-84. You would rather apply for a job by writing a letter than by going through with a personal interview.

N-85. You are often in low spirits.

Y-86. You are inclined to rush from one activity to another without pausing enough for rest.

N-87. You are so concerned about the future that you do not get as much fun out of the present as you might.

Y-88. When you are attracted to a person whom you have not met earlier you make an active attempt to get
- acquainted even though it may be quite
difficult.

N-89. You are inclined to limit your acquaintances to

select few

N-90. you seldom give your past mistakes a second thought.

N-91. You are less energetic than many people you know.

Y-92. You often stop to analyzed your thoughts and feelings.

Y-93. You speak out in meetings to oppose those whom you feel sure are wrong.

N-94. You are so shy it bothers you.

N-95. You are sometimes bothered by having a useless thought come into your mind over and over.

N-96. You get things in hurry.

N-97. It is difficult for you to understand how some people can be so unconcerned about the future.

N-98. You lie to sell things (i.e. to act as a sales person)

Y-99. You are often "Life of the Party".

N-100. You find daydreaming very enjoyable.

N-101. At work or at play other people find it hard to keep up with the pace you set.

Y-102. You can listen to a lecture without feeling restless.

Y-103. You would rather work for a good boss than for yourself.

Y-104. You can express yourself more easily in speech than in writing.

Y-105. You keep in fairly uniform spirits.

Y-106. You dislike to be hurried in your work.

N-107. You sometimes find yourself "crossing bridges before you come to them".

N-108. You find it somewhat difficult to say "no" to a sales person who tries to sell you something you do not

- really want.

N-109. There are only a few friends with whom you can relax and have a good time.

Y-110. You usually keep cheerful in spite of trouble.

N-111. People sometimes tell you to "slow down" or "take it easy".

N-112. You are one of those who drink or smoke more than they know they should.

Y-113. When you think you recognize people you see in a public place, you ask them whether you have met

- them before.

N-114. You prefer to work alone.

N-115. Disappointment affect you so little that you seldom think about them twice.

N-116. You are slow and deliberate in movements.

N-117. You like wild enthusiasm, sometimes to a point

bordering on rowdyism at a football or baseball game.

N-118. You feel self conscious in the presence of important people.

Y-119. People think of you as being a very social type of person.

N-120. You have often lost sleep over your worries.

Y-121. You can turn out a large amount of work in a short time.

Y-122. You keep at a task until it is done, even after nearly everyone else has given up.

N-123. You can think of a good excuse when you need one.

N-124. Other people say that it is difficult to get to know you well.

N-125. You daydreams are often about things that can never come true.

N-126. You often run upstairs taking two steps at a time.

Y-127. You seldom let your responsibility interfere with your having a good time.

Y-128. You like to take on important responsibilities such as organizing a new business.

N-129. You have hesitated to make or to accept "dates" because of shyness.

N-130. Your mood is very easily influenced by people

around you.

Y-131. Others are often amazed by the amount of work you turn out.

N-132. You generally feel as though you haven't a care in the world.

N-133. You find it difficult to get rid of sales person whom you do not care to listen or give your time.

N-134. You are a listener rather than a talker in a social conversation.

Y-135. You almost always feel that life is very much worth living.

N-136. It irritates you to have to wait at a crossing for a long freight train to pass.

N-137. You usually say what you feel like saying at the moment.

Y-138. You like to speak in public.

Y-139. You like to be with people.

Y-140. You generally keep cool and think clearly in exciting situations.

Y-141. Other people regard you as a lively individual.

Y-142. When you get angry, if you let yourself go, you feel better.

Y-143. You seek to avoid all trouble with other people.

Y-144. People seem to enjoy being with you.

N-145. You sometimes feel listless and tired for no good reason.

N-146. It is hard to understand why many people are so slow and get so little done.

N-147. You are fond of betting on horse races and games, whether you can afford it or not.

Y-148. If someone you know has been spreading untrue and bad stories about you, you see the person as

- soon as possible and have a talk about it.

N-149. Shyness keep you from being as popular as you should be.

Y-150. You are generally free from worry about possible misfortunes.

tech

asked many Q. nearly 1hr 15 min.

asked many Qs in project if other than cs brach.

if cs also asked what given as softwatre skills in the form.

they asked us 2 fill a form BEFORE ITSELF.

it was tough. u must prepare well.

hr

this also had tech Q. but basics only.

manily why TCs?

r u ready 2 relocate?

r u aware of aggrement?

TIPS

verbal

read all old papers verbal and u r sure 2 clear this.

apt

**see the most recent papers and u r sure 2 clear this
too.**

critical

for this u must prepare from summers or other books.

this is diffucult 2 clear with out preparation or

previous knowledge

how 2 solve puzzles.

phsy

**think like : what should be my answer so that they
will recruit me.**

tech

**do not go there with out preparation. if u failed 2
prepare, prepare 2 fail.**

HR

**do not go there with out seeing the web site.
just answer the Q why TCS well and u r sure 2 clear.
also about relocation and agrement.**