

COMPANY NAME : SATYAM

DATE OF TEST : 2003

PLACE OF TEST:

MODE : Off-Campus

DURATION :

1) 1. value of N and! K is100
2.N is divided by K and the integer part of the quotient is stored in I.
3. N is divided by K and the remainder is stored in K
4. I is multiplied by itself to get the new value of I
5. if the value of I and J are equal then N is printed
6. add 1 to N
7. if the value of N exceeds 999 then stop.
8. go to step 2
The result of the above logic is
a) 124, 248, 369b) 101 , 204, 309,c) 111, 222, 333, ...d)
none ans. (b)

2)
1. Sony =0
2.jimmy =1
3.Add jimmy to sony to get new jimmy
4. add sony to jimmy to get new jimmy.
5. if jimmy is equal to 34 then stop
6. go to step 3
What is the value of Sony when the logic terminates.
a) 15 b) 18 c) 21 d) none
ans:d(check)

3)
get the cost of the iteam (C)
1.get the no of iteams (N)
2.multiply N by C to get total cost (TC)
3.if Tc is above 10000 then discount (d)= 5%
4. if TC
is less than 10000 but more then 5000 and C is above
85 then
D=4.5 %
5. if Tc is less than 5000 and C>65 and N>50 then D=4%
What will be te discount if 40 iteams were purchased
each costing Rs
58'
a)5% b) 4.5% c) 4% d)none
ans:d(check)

4)

the average age of a class of 45 is 20 years. the age of the teacher

is

30 years. the the average age of the 45 people together is

1.j=z * l /* here * means multiplication*/

2.m=j+ 30

3.z= 20

4.r=m/(l+1)

5.l=45

the above logic represents the solution of the given problem. the

correct sequence is

a)5-3-1-4-2 b)5-3-1-2-4 c)5-3-2-1-4 d)none

ans:b(check)

5)

1.k=10

2.add 1 to k to get the value of z

3.p= quotient of z divided by 10

and some statements are there...

8. Go to 2

the result of the above steps is

a)11,22,33,.....b)21,32,33,..c)12,23,24...d)none

ans! ...(b)

6) A long flow chat

FN=10-----> k=10-----> divide FN by K and

.....

the number of values that are printed are

a) 9 b) 19 c) 29 d)none

ans (a)

7)

1. cost of iteam C= Rs 50

2. total cost TC= 0

3.number of iteams purchased =1

4.TC= TC+C

5.if the remainder of N divided by 5 is 0 then reduce Rs. 10 from C

6.increase the value of N by 1

using the above rule, how much money should one pay after buying 12

iteams

a)480 b) 510c)540 d) none

ans.....(b)

check the answer.

8)flow chat

every applicants takes 3 tests. the candidate is selected if he/she

secures 80 % above in the aggregate and 75% and above atleast two

testes.

all tests are evaluated to 100 marks.

C=0-----> Get T1,T2,T3-----> Is T1>74.....

.....

if a candidate scores 96, 78, 68 in the three testes
going by the
above
logic, his result will be
a! ns...(b) selected

9)flow chat
R=8 and J= 5 -----> print R-----L= R+j
.....
the out put of the above logic is
ans (d) none

10)flow chat
N= 100 -----> D=INT(N/100) -----> K=remainder
(N/100)
.....> print N
if the no like 244, 514,136 etc are to printed from
the above logic ,
the ? should be replaced with ...
ans.d(check).....

***11)
1. let the value of FN be 1
2. let the value of A be 2
3.Let the new value of FN be FN multiplied by A and
add 1 to it.
4.Write the value of FN
5.If the value written is more than 777 then stop
6.-----
7.go to step 3
if the expected out put from the above logic is
3,10,41,206,1237,
then
the statement in the line 6 should be
(a)let the value of A be A multiplied by A (b)
add A to A
(c)add 1 to A (d) ! none
ans.....(c) add 1 to a

**12)flow chat
N=2-----> R= N+1, -----> print J-----> N=N+1-----.is
N>9 ?
J=N x
R .
|
^
&n! bsp;
no
the result of the above logic is
(a)6,8,14... (b)6,12,20,30
(c)6,12,18,24...(d)none

ans.....(b)

***13)

the following qualification are necessary for
recruitment of a
librarian

. the candidate must

1. have master degree in library science with at least
55% mark.

2. have one year specialization in IT

3. have at least 10 yrs experience in university

In case the candidate

4. has 15 yrs experience in college ,the case may be
referred to vice
chancellor

5. has obtained less than 55% marks but has 13 yrs
expr. in university

,the case may be to registrar

6. has PHD in library sc./documentation, the condition 1
may be waived.

gopal brahma has been deputy librarian of SLC
university since 1982

and

has a master degree! in library sc. with 53 % . given
the above rules

and Gopal's information, Gopal should be

(a) selected (b) rejected (C) referred to V-C (d)

none

ans.....d:none(chek)

***14). flow chart ans:a

***15>

1. R=2

2. J=R*R-R

3. R=R+1

4. K=R*R-R

5. print K-J

6. let J=K

7. if R.8 then stop

8. go to 3

the result of the above logic is

(a) 4, 9, 16, 25.... (b) 4, 6, 8, 10.... (c) 4, 4, 4, 4....

(d) none

ans (b)(check)

**16> flow chart

is remainder

of

N=66---->D=N/2---->N=D+1-----> N/2=0

----->stop

^ !

|

|

|no

! ;

|-----|
after how much iteration will the above logic
terminate
(a)8 (b)6 (c)7 (d) none ans.(d)
check

```
**17.  
1.T=1  
2.T1=T*1000  
3.T2=T+1  
4.T3=T2*100  
5.T4=T2+1  
6.T5=T4*10  
7.T6=T4+1  
8.T7=T1+T3+T6+T5  
9.print T7  
10.T=T+1  
11.if T<8 then 2  
12.stop
```

which of the following value will not printed by above
logic
(a)6789 (b)7890 (c)7900 (d) none
ans (b) 7890

q18))
ans:c is $j > 10$ hint: $k=3, j=2, \dots$

Q19)
flowchart
ans:a)200

Q20)
flowchart
ans:a)21

Q21)
flowchart
ans:a)10 (confirm the question)

q22)
flowchart
ans:c($4x+8y$)

q23)
ans:c)4-6-5-1-3-2

q24)flowchart
ans:b(17)

q25)a person distribute his pen among four friends in
the ratio
 $1/3, 1/4, 1/5, 1/6, \dots$

ans:b(minimum he should have)

Q26)

1. let the value of N be 10
2. divide N by 10 to give quotient (Q) remainder(R)
3. diff=R-Q
4. if diff=1 then 6
5. go to step 7
6. display the value of N
7. add 1 to N
8. if N <100 go to step 2

the above logic will produce
 (a)11,12,13,,14..(b)12,23,34,,.....(C)21,32,4,354.....(d)none

ans:d(none)

Q27)flowchart

ans:b(36,45,25)

Q28)flowchart

ans:b(375)

Q29)a man has Rs. 128 in currency of one rupee.....

ans:a(24)

Q30)when A is divided by B,it is reqd to round of the result to the

nearest whole no,the logic is given below .give the correct sequence

1. divide A by B giving correct sequence
 2. subtract INTERGER(A/B) from C and store the result in D
 3. if remainder (A/B) is 0 then stop
 4. print INTERGER (A/B)
 5. if D>.49,increase the value of INTRGER (A/B) by 1
- (A)1,3,2,5,4(B)1,3,2,4,5(C)1,2,3,5,4(D) none

ans:a(1,3,2,5,4)

Q31)A cistren is filled by 9 hours.....

ans:a)90 hours

Q32)

ans:c(42)

Q33)

flowchart

ans:d(none)

**34>

When madan said that he was burn on 31-9-83,everybody laughed.the

logical sequence of steps involved in reduculing madan's statement r

given

below

1. if the day of birth is >Y(month of birth)then wrong
2. since 1983 is not a leap year february has 28 days
3. store 31,28,31,....31 in an array y(12)

4. month of birth is not less than 1 and not greater than 12,
therefore
month of birth is valid

the right sequence of steps is

- a) 3-1-4-2
 - b) 3-2-4-1
 - c) 3-2-1-4
 - d) none
- ans: b(check)

35).

the logic to! convert a 3 digit number to a word is given, Ex 123
should
be written as One Two Three

1. accept the number N
2. if $N < 100$ or $N > 999$ go to step 1
3. Split N into hundreds(H), Tens (T), & Units(U)
4. Store words zero,one,two,..... in array W(10)
5. print W(H),W(T),W(U)
6. Stop

The above logic is

- a) incomplete
 - b) complete
 - c) complete but inefficient
 - d) none
- ans: b

36)

given a number which is more than 99 but less than 1000, the logical sequence of steps to say how many hundreds, tens & units are in the given number is given below. identify the logical order.

1. get the number N
 2. write quotient and the words 'tens'
 3. write the remainder and the words 'units'
 4. write the quotient and the word 'hundred'
 5. divide the number N by 100 and get the quotient and remainder
 6. divide the remainder by 10 giving the quotient and remainder
- (a) 1,5,6,2,3,4 (b) 1,5,4,3,2,6 (c) 1,5,4,6! ,2,3(d)
none
ans.c

**37.

- step 1. no of toffees in hand (TIH)=2
2. no of picks (NOP) = 1
3. Multiply TIH by 2
4. Add 1 to NOP
5. If NOP is less than 4 then step 3
6. Print TIH
7. Stop

The value of TIH at the end of execution of logic is

a) 16 b) 24 c)30 d)None

ans: a

Q38)

flowchart

ans:b (1,2,4,8,16,32,32,16,8,4,2,1)

Q39)

flowchart

ans:b(2)

Q40)

ans:a)17

Q41)

ans:b(6 days)

Q42)

flowchart

ans:b(I=468 , II=468)

Q43)

the logical sequence of steps to calculate the average of N nos is

given below

1.let the sum(S) of N nos be zero

2.get the value of N

3.let the value of A be N

4.add N to S

5.add 1 to A

6.if A is not = N then go to 4

7. compute average by dividingS by N

the above logic is

(a)correct(b)incorrect(c)inadequate data(d)none

ans:b(incorrect)

Q44)

indet! ify the correct logical order to write ur name in reverse order

1.count the no of alphabets in ur name(L)

2.if L=0 stop

3.reduce the value of L by 1

4.write the lth character

5.transfer control to the step where the value of L is reduce

(a)1,4,3,5,2(B) 1,4,3,2,5 (c)1,3,4,2,5, (d) none

ans:d //b(14325) //a(1,4,3,5,2)

**45.

six girls A,B,C,D,E & F have 10 marbles each. a & B take 4 marbles

each

from D & E respectively. C gives 3 marbles to F who in turn gives 2 marbles to D & 4 marbles to E. E takes back the marbles she had given to B and gives them to C.

The equations r given below

1. $A=A+4$
2. $B=B+4$
3. $D=D-4$
4. $E=E-4$
5. $F=F+3$
6. $F=F-2$
7. $F=F-4$
8. $C=C-3$
9. $D=D+2$
10. $E=E+4$
11. $B=B-4$
- 1! 2. $C=C+4$

The above sequence of steps are

- a)Complete b)Incomplete c)Incorrect d)none
ans:b

46.

Subtract 3 from the number X. Multiply the result by 3, Add 3 & then divide this result by 3. The final result is

ans:a

- a) $X-2$ b) $X+2$ c) $X+1$ d) X

47.

Given a sentence which has only lower case letters and which ends

with

a period (.), you r asked to count the number of vowels & consonants.

The logical sequence of steps r given below. Arrange them in correct order.

1. If character = a,e,i,o or u increse VC by 1 else increase CC by 1.
2. Print VC,CC
3. Read a character
4. If character read is . then go to print VC,CC
5. Go to read a character
6. Stop
7. Initialise VC & CC to 0

ur logical sequence of steps r

- a)7,3,4,1,5,2,6 b)7,4,3,1,2,5,6 c)7,3,4,! 5,1,2,6
d)none

ans:c

48.

1.number of units consumed(NUC) = Closing reading - Opening reading

2. if NUC is less than 100 units then 5
 3. if NUC is less than 200 units then 6
 4. if NUC is less than 300 units then 7
 5. CHARGE=NUC
 6.CHARGE = 100+(NUC-100)*2
 7.CHARGE=300 +(NUC -200)*3
 8. Print CHARGE
 if the opening reading is 785 and the Closing reading
 is 865, CHARGE
 is
 a)80 b)60 c)-60 d)None

ans:a // d

Q49)

ans: c)3,7,1,2,5,6,4

Q50)

flowchart

ans:b(prints multiplication table from 1 to 10)

TCS

this is vocabulary section in tcs paper!
 with solutions

 1 admonish : usurp 2 meager : scanty 3 alineate: estrange 4 merry :gay 5 brim: boarder 6 obstinate:stubborn
 7 adhesive:tenacious 8 tranquil :serene 9 solicit: urge furtive : stealthy misery:distress volume:quantity
 hamper :obstruct verr :diverge belief:conviction incentive:merit
 inert:passive concur:acquire cargo:freight dispel:scatter caprice:whim heap:to pile covet:crave emancipate:liberate
 instigate:incite latitude:scope lethargy:stupor divulge:discretion hover:linger embrace:effigy baffle:frustate
 lament:wail stifle:smithy subside:wane confiscate:appropriate discretion:prudence efface:deliberate
 latent:potential

APTITUDE TEST

20 QUESTIONS;2 MARKS EACH
 TIME-20MINUTES

- 1) ONE RECTANGULAR PLATE WITH LENGTH 8INCHES,BREADTH 11 INCHES AND 2 INCHES THICKNESS IS THERE.WHAT IS THE LENGTH OF THE CIRCULAR ROD WITH DIAMETER 8 INCHES AND EQUAL TO VOLUME OF RECTANGULAR PLATE?
 ANS: 3.5INCHES
- 2) WHAT IS THE NUMBER OF ZEROS AT THE END OF THE PRODUCT OF THE NUMBERS FROM 1 TO 100
- 3) in some game 139 members have participated every time one fellow will get bye what is the number of matches to choose the champion to be held?
 ans: 138
- 4) one fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. if both do combinely in how much time they will finish. - ans: 1hr 12min
- 5) in 8*8 chess board what is the total number of squares refer odel - ans:204
- 6) falling height is proportional to square of the time. one object falls 64cm in 2sec than in 6sec from how much height the object will fall.
- 7) gavaskar average in first 50 innings was 50 . after the 51st innings his average was 51 how many runs he made in the 51st innings

- 8) 2 oranges, 3 bananas and 4 apples cost Rs. 15. 3 oranges, 2 bananas and 1 apple cost Rs. 10. What is the cost of 3 oranges, 3 bananas and 3 apples? Rs. 15.
- 9) In 80 coins, one coin is counterfeit. What is the minimum number of weighings to find out the counterfeit coin? 10) In a company, 30% are supervisors and 40% employees are male. What is the probability that a randomly chosen employee is a male or female?
- 11) Statement: All green are blue, all blue are white.
Conclusion:
I) Some blue are green II) Some white are green
III) Some green are not white IV) All white are blue
a) He has given four choices like the type
- 12) All teachers are students. Some students are girls.
This type of questions are there.
We cannot reproduce them.
-

Vocabulary

Admonish-usurp, meager-scant, alienate-estrangle, merry-gay, brim-boarder, obstinate-stubborn
solicit-urge, subside-wane, furtive-stealthy, misery-distress, volume-quantity,
veer-diverge, stifle-snithy, adhesive-sticky, hamper-obstruct, belief-co
nvention, lament-wail, incentive-spur, inert-passive, baffle-frustrate, confiscate-appropriate, c
overt-crave, caprice-whim, concur-acquiesce, cargo-freight, dispel-scatter, divulge-reveal, to merit-to
deserve, discretion-prudence, emancipate-liberate, efface-obliterate,

hover-linger, heap-to
pile, instigate-incite, latitude-scope, latent-potential, lethargy-stupor
momentary-transient, pretentious-ostentatious, embrace-effigy

Appitude

- 1) 2 pencils cost 8 cents, then 5 pencils cost how much
a) 20c
2) A work is done by the people in 24 min. One of them can do this work
alone in 40 min. How much time required to do the same work for the
second person
a) 60min
3) A car is filled with four and half gallons of oil for full round
trip. Fuel is taken 1/4 gallons more in going than coming. What is the fuel
consumed in coming up.
a) 2 gallons
4) Low temperature at the night in a city is 1/3 more than 1/2 higher as
higher temperature in a day. Sum of the low temp and high temp is 100 c.
Then what is the low temp.
a) 40 centigrade
5) A person who decided to go weekend trip should not exceed 8 hours
driving in a day. Average speed of forward journey is 40 mph. Due to
traffic in Sunday the return journey average speed is 30 mph. How far he
can select a picnic spot.

- a)120 miles
- 6)a sales person multiplied a number and get the answer is 3 instead of that number divided by 3.what is the answer he actually has to get.
a)1/3
- 7)a ship started from a port and moving with I mph and another ship started from L and moving with H mph.at which place these two ships meet.
a)between I and J and close to J
- 8)a building with height D ft shadow upto G.A neighbour building with what height shadow C ft is
a)B ft
- 9)a person was fined for exceeding the speed limit by 10mph.another person was also fined for exceeding the same speed limit by twice the same if the second person was travelling at a speed of 35 mph.find the speed limit
a)15mph
- 10)a bus started from bustand at 8.00am and after 30min staying at destination it returned back to the bustand.the destination is 27 miles from the bustand the speed of the bus 50percent fast speed at what time it returns to the bustand.
a)11.00am
- 11)in a mixture,R is 2 parts,s is 1 part
in order to make s to 25% of the mixture,howmuch r is to be added
a)one part
- 12)wind flows 160 miles in 330min.for 80 miles how much time required
a)---
- 13)with 4/5 full tand vehicle travels 12 miles, with 1/3 full tand how much distance travels
a)5 miles
- 14)2 trees are there.one grows at 3/5 of the other.In 4 years total growth of the trees is 8 ft.what growth will smaller tree will have in 2 years.
a)2 ft
- 15)a storm will move with a velocity of --- towards the center in --- at the same rate how much far will it move in hrs
a)8/3 or 2 2/3
15 not clear

Reasoning

A.

my father had no brothers but his 3 sisters are all married and each has 2 children.my grandfather has 2 sons.

1.mu father was an only child F

2.3 of my aunts have sons C

3.i have six cousins on my mother's side C

4. i have only one uncle F

B.

Senior managers in a leading company said that new japanese investment in india was transforming the car industry and warned that jobs were under threat from japanese competition. they stated that increasing competition would be coupled with an in evitable downturn i the car market and the recent rise in interst rates whaich had already hit demand.

5.some senior managers said that more people will want to buy new cars in the future. F

6.managers told workers that japanese workers are taking jobs away from indian workers in the car industry. F

7.the managers issued their warning after a rise in interest rates. T

8. the increased rate of the interest will mean that Japanese firms will cease to operate in this country. C

C. Researchers in Mumbai have found that certain types of gallstones can be dissolved by injecting them with a gasoline additive in the form of ether. The ether is injected through a tube directly into the gallbladder. The one-day treatment works only on cholesterol-based stones, not those composed largely of calcium. However, as the cholesterol stones are by far the most common type for millions of gallstone sufferers, the treatment should offer a welcome alternative to surgery, the commonest option in most hospitals.

9. injecting ether into the gallbladder dissolves most gallstones T
10. surgery is the only treatment for calcium stones T
11. hundreds of people contain calcium stones C
12. calcium stones will be cured in one day F

D. Organising the home can be perceived as conferring power so large numbers of women are unwilling to let go of chores, even when they have careers. A survey found that, out of 65 new marriages, not one single wife expected her husband to share work equally. According to the Family Policy Studies Center, 81% of working wives return home to do all the cooking. The average male has nearly half as much more free time at weekends than his wife and the typical new father spends just 37 seconds a day talking to his baby.

13. most working wives do not expect their husbands to share chores equally. T
14. the average wife has half as much free time at weekends as her husband. F
15. some women collude in the unequal distribution of household work because they want to retain control C
16. 39% of all men with working wives do the cooking and all the cleaning F

E. Confucius said that to know the future we have to understand the past. This time transport, communications and scientific knowledge were less developed than they are today. News took weeks to travel where as today satellite links connect the continents virtually instantaneously. But our technological advances in the field of communications seem not to have

- improved our capacity to understand one another
17. in Confucius' day people were more intelligent C
18. we understand each other better now than in Confucius' time because we can travel more quickly. F
19. we have made great improvements in transport since Confucius' day T
20. none of our scientific discoveries has really improved our lives C

F. Words in totalitarian systems have an unhealthy importance and in such states now attempting to return to a more democratic normality there has been a natural, inevitable and healthy devaluation of words whereas previously a single word used in a speech or even a play or poem could be

- a serious political event now the words come cheaper almost free. Politics is politics again and poetry only poetry
21. totalitarian state devalue words T
22. only non-totalitarian regimes produce poetry of political importance T
23. writers under totalitarian regimes have to choose their words carefully T
24. the democratic political system is healthier than others C

G. statistics show that millions of vehicles have been carried by shuttle over the past 30 years through alpine tunnels without one ever catching fire. In the alpine tunnels, drivers and passengers sit in their vehicles on the shuttle trains. Only one vehicle has ever caught fire on the busy French motorail equivalent system. This sort of accidents is not possible in a closed shuttle. Assertions that a vehicle fire will lead to catastrophe have no basis. Since the resources exist to detect, control and extinguish a fire and to remove any persons present safely to an adjoining wagon, leaving any surviving fire facing rapid extinction within a wagon built to contain fire for 30 minutes, catastrophe seems very unlikely.

25. If a car caught fire in a rail shuttle, probably none would be killed.

(T)

26. At least one vehicle has caught fire in an alpine tunnel. (f)

27. If a fire started in a wagon, it would be allowed to burn itself out in 30 minutes. (f)

28. It would theoretically be possible for a car to catch fire in a closed shuttle system. (F)

H) Every form of art is protected by copyright, upon the expiration

of which the property passes into the public domain and becomes freely available to any one wishing to exploit it commercially. The time has come when all treasures should pass to the control of a trust, and by this made readily available to anyone on payment of a fee or royalty. The income from the works of Tagore would alone be enormous. These who now mainly benefit financially from his genius should make some contribution to the welfare of the arts in general.

29. Tagore's plays are not protected by copyright. F

30. Tagore's descendants should be asked to make some contribution to the arts. C

31. Instead of buying a ticket, theatregoers should pay a fee to trust for the benefit of the arts. C

32. More people could go to the theatre if copyright were abolished. C

I. Hacking is a crime made possible by a relatively new technology, which one of the reasons it is often poorly understood and reported. Many computers, but not means all, are now linked together in networks which allow users on one computer to communicate with others on the same network. If a computer is not networked, no manipulation of its data from another machine is possible. So long as users are authorised, networking is just a way of making work easier and more productive. Hacking on the other hand, is the unauthorised use of networks or unauthorised entry into the computers themselves. Most people do not need to break into the networks they use, since they are already accredited users.

33. Most hackers are authorised to break into networks. F

34. Computers are only vulnerable to the unauthorised manipulation of their data via another computer if they are networked. T

35. The main reason why it is relatively easy to break into a computer is that few people understand the technology. C

36. Hackers do not work for the firms whose networks they break into. T

J. Although invaders represent a threat to the conservation of flora and fauna, there are two special cases in which invasion have been deliberately brought about. One is the desire to control pests by natural predators, which may have to be brought in from other countries. The second is releasing organisms into the wild (or on to farms, from which they might

escape)that are completely novel,beacause they have been genetically engineered.There is nothing intrinsically sinister about engineered organisms,but any novelty must be regarded as a potential invader.
37.Pest control does not threat the conservation of flora and fauna. T
38.Genetically engineered organisms must always be regarded as potentially dangerous. F
39.Natural predators are work harmful than pests.T
40.Genetically engineered organisms escaped from the farm,they will be pose a threat to wildlife. T

K.electronics technology is coming to the rescue of helicopters which can be grounded or crash in icy conditions the machines are especially vulnerable to the build up of ice on both their rotors and engine air intake when operating in cold damp conditions.the problem is 2 fold ice increases the weight and the build upp makes the aerofoils less efficient .now at last a detector has been devised which the company hopes will mean safer flightsand less frequent grounding.unlike most devices in use at present it can detect the liquid water content of cloud above freezing level.so the warning is ginven before the potential hazard is encountered.
39.an electronic device has been invented which will prevent the build up of ice on helicopter rotors F
40.helicopters are sometimes grounded because in cold damp weather their engine air intakes and rotors malfuntion owing to the formatrion of ice.
T
41.only one device can at present detect the liquid water content of cloud above freezing level C
42.in future fewer helicopters will crash or have to grounded T

L.anyone whos has systematically examined faces will have perceived a prepondreance although not a proliferation of asymmtry.whether or not the expression is volitinal and self controlled or spontaneous appears to predict facial asymmetry as does the type of emotion protrayed.positive emotions are usually displayed symmetrically although a left sided representation of a negative emotion is more common.posed expressions and negative emotions are less likely to be symmetrically represented.
43.an angry person is more likely to have a lopsided expression than someone who is smiling T
44.a deliberately assumed facial expression will always be asymmetrical F
45.an actor is likely to smile symmetrically when acting C
46.more self conscious people are likely to have less asymmetrically facial expressions than those who are less aware of themselves T

M. human existence is not susceptible of arbitrary division between consciousness and unconsciousness.the conscious world invades and shapes the activities of the unconscious while many of the great achievements of humanity's waking hours were wholly or partly inspires bu dreams .even if it could be argued that dreams precede experience such a dichotomy could not be drawn as the influence of dreaming on the waking state would remain unclear but as yet no common vocabulary exists to record the substance of prenatal dreaming
47.sleep can be a creative state. T
48.it is difficult to tell whether a sleeper is dr3eaming or not C
49. if we knew what babies dream about before they are born we could show that conscious and unconscious mond influence one another F

50. it is untrue to claim that the conscious and unconscious worlds never impinge on one another F

New twenty questions

N. disease x succeeds lung disease.it may also occur healthy persons the person looks healthier from outside.the number of red blood cells in the blood increased and this leads to thickness fo the blood as a result of which blood lacks inside the vessels .the person suffers heart attack. one possible solution is to remove a litre of blood or to control the growth of red blood cells.

- 53.lung disease precedes the disease x T
54.a person who gets heart attack always has disease x F
55.people suffering from disease x look healthier C
56.one litre of blood must be removed to cure this T

O.a starfire engine has been designed to work only for unleaded petrol.this crossfire engine is designed for both 1500 and `1800 cc they internally and externally look alike except for the difference in wheels ----,2000 cc is differentr from the above.two in terms of 3 features --- ----- ---- on the bumper.

- 57.the engine run only on the leaded petrol F
58.1500 and 1800 cc look alike F
59.apart from cross fire engines they manufacture ---- F
60.internal structure of the 2000cc is same as that of both 1500 and 1800 cc C

P.a weed killer to kill the weeds has been developed.the weed killer solution has to be applied to the growing tips. it need not to be applied to all the tips.the solution has to be prepared in a can in one hand and the plants are taken in the other hand with a glove and are immersed in the solution if we cannot immerse them in the solution the solution can be applied to the roots with a brush.it used without care it can pose danger to other plants.

- 61.the solutions has to applied to growing leaves
62.to use the weedkiller first take the plants in the cn as then pour the solution into it.
63.it is sufficient to apply it only to some roots
64.it effects to the other plants.

Q.

- 65.flora 3 sofa set gives value to ur money
66.padding is used to increase durability
67.flora will made all other products other than sofa sets
68.can we use wood as ----- T

R.

- 69.the length of the cracker will be less than 12 cm F
70.the center part of the crackers is 4cm T

these are the questions given from tcs paper
dont answer all questions.

In reasoning test at the end of each question we indicated

F,T,C

where F represents False

" T " True

" C " cant say.

Aafter this test,psychmetry test will be there.dont bother about it.
it is just

formal.they will not consider it.But answer all 150 questions in 30
minutes

TCS QUESTION PAPER

part A - Vocabulary(synonyms) 40 Questions

1. To merry = Enjoy
- 2.To Alienate = abandon
- 3.To Solicit = Humble
- 4.To Heep =to gather
- 5.Cargo = load,luggage
- 6.Momentary = for small time
- 7.Volume = quantity
- 8.To Veer =
- 9.To Admonish=
10. To Meager = small,little
11. To lattitude,
12. Latent =
13. To Covet = To desire
14. To Discretion =
15. Potential = ability
16. To Emancipate,
17. To Wethargy,
18. To Concur = similiar
19. To Confiscate = To take charge, to annex
20. To Dispel =
21. Baffle = puzzle
22. Subsidise =
23. Misery =
24. Pretentrous =
25. Tranquil = calm, silent
- 26.Ellace
- 28.Rinaile,
- 29.Obstinate
- 30.Hover
- 31.Caprice,
- 33.Belate =after time
- 34.Brim = edge
- 35.Divulge,
- 36.Lamont,
- 37.Bileaf,
38. Embrace =
- 39.Adhesive =
40. Miserable =

Critical Reasoning

1. My Father is only child to his Father. My father has three
sisters. All are married and have two children each.

(state True or False Or Can't be determined)

1.1 My Grand father has two sons (false)

1.2 I am having six cousins (true)

1.3 I have three uncle (true)

Part B (15 Questions)

1. Two Pencils 8 cents 5 Pencils cost (Ans 20 cents)

2. A work is done by two people in 24 minutes. One of them alone can do it in 40 minutes. How much time will the other person will take to complete it (60 minutes)

3. A car is filled with 4.5 gallons of fuel for a round trip . Car is taken 1/4 more than in going than coming up. What is the fuel consumed in coming up ? (2.0 gallons)

CHECK

4. Low temperature at the night in a city is more than 1/2 high as higher temperature are 100. Then What is low temperature (Ans 40)

5. Person who decided to go to weekend trip should not exceed 8 hrs driving in a day. Average speed of forward journey is 40 miles/hour . Due to traffic in sundays ,in return journey average speed is 30mph . How far he can select a picnic spot ? (ans 240 miles)

CHECK

6. A sales person multiplied by a number and get the answer 3. Instead of that number divided by 3. What is the answer she actually has to get.

$(1/3) * 1 * 3 = 3$ so the no= 1 divided by three. The answer =1/3

7. A ship started from port and moving with 'I' miles/hour and other ship started From L and moving with 'H' miles/hour . At the place where these two ships will meet. (ans $L*I*H/(H+I)$)

8. A building with height D shadows up to G. A Neighbour building with what height shadows C feet. (ans CD/G)

9. A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the speed limit by twice the same. If the second person was travelling at speed of 35mph . Find the speed limit (ans. 15mph)

10. A bus started from the bus stand at 8 Am and after staying 30 minutes at a destination return back to the bus stand. The Destination is 27 miles from the bus stand . The Speed of the bus is 18mph . In the return journey the bus travells with 50% fast speed. At what time it is return to the bus stand (1 p.m)

CHECK

11. In a mixture R is two parts, S is one part . In order to mixture how much R is to be added. Ans S is 25% of R

WISH YOU ALL THE BEST

Source : jadavpur university
Dated : 28/4/99

- | | | | |
|---------------------------------------|-----------|-----------|--------|
| 1. VOCABULARY.(SYNONYMS) | 40 BITS. | 20 MARKS. | 20MIN. |
| 2. QUANTITATIVE APTITUDE | 15 BITS | 30 MARKS | 15 |
| MIN. | | | |
| 3. CRITICAL REASONING.(COMPREHENSION) | 50 BITS | 50 MARKS | 25 |
| MIN. | | | |
| 4. PSYHOMETRIC TEST. | 150 BITS | 150 MARKS | 30 MIN |
| | ----- | ----- | |
| | 250 MARKS | 90 MIN | |
| | ----- | ----- | |

THE PSYCHOMETRIC TEST IS SIMPLE AND THERE IS NO NEED OF OF PREPARATION. IT SIMPLY TEST YOUR PSYCHOLOGY. GIVE MOST POSITIVE ANSWERS TO THIS SECTION. I AM SENDING SOME QUESTIONS TO YOU. THE VOCAB. IS SAME. BUT THERE IS SOME CHANGES IN PASSAGES.BUT THE IDEA IS SAME.

TAKE FOLLOWING PRECAUTIONS WHILE ANSWERING TEST.

-
1. DON'T WRITE FULL ANSWERS TO VOCAB. SECTION. DO ONLY 36 to 37 QWUE's.BECAUSE THEY DISQUALIFIED SOME CANDIDATES HERE.
 2. WE ARE SENDING ANSWERS TO THIS SECTION. SO YOU SIMPLY MUG UP ANSWERS.
 3. FOR CRITICAL REASONING SECTION WE ARE SENDING ANSWERS.BUT SOME OF THESE ANSWERS MAY CHANGE. SO YOU PLEASE CHECK IN EXAMINATION. THE ANSWERS IS SIMPLY (TRUE) OR (FALSE) OR (CAN'T SAY) TYPE. FOR THIS SECTION YOU HAVE READ AS FAST AS YOU CAN. IT SIMPLY TEST YOUR COMPREHENSION ABILITY.
 4. EVENTHOUGH WE ARE SENDING ANSWERS TO MATHEMATICAL ABILITY. SECTION. YOU DO " ROUGH " WORK BACK OF YOUR PAGE. IT IS ALSO ONE OF IMPORTNANT CAUTION.
 5. IN PSYCHOLOGY SECTION THE QWE'S MAY REPEATE AT LEAST FOUR TIMES. BY SIMPLY CHANGING SENTENCE FORMATION. SO BECAREFUL GIVE SAME ANSWERS TO THOSE QWE'S.

THERE WILL BE NO NEGATIVE MARKING. TIME 90 Min., APPEARED FOR EXAM =255 STUDENTS
SELECTED FOR INTERVIEW =122, FINALLY SHORT LISTED = 55 STUDENTS.

SECTION I VOCABULARY (SYNONYMS) TIME :15 Min. MARKS: 20.
DIRECT ANSWERS :

Admonish : usurp	Meager :scanty	Alienate : estrange
Merry : gay	Brim : Boarder	obstinate : stubborn
Pretention:pretentioius	Tranquil:serene	solicit : urge
subside : wane	furtive :stealthy	misery : disstress
volume :quantity	veer : diverge	stifle :sniths
adhesive : ---	Hamper : obstruct	belief : conviction
lament : wail	to merit :to deserve	incentive : ----

inert: passive Baffle : Frustrate Confiscate : appropriat
 Covet : crave Caprice : whim Concur :acquiesce
 Cargo :freight Dispel : Scatter Divulge : ----
 Discretion: prudence Emancipate : liberate Efface : obliterate
 Hover : linger Heap : to pile Instigate : incite
 latitude : scope latent : potential lethergy : stupor
 momentary : transient

---- means , for these words we are not able to reproduce answers.

PART II QUANTITATIVE APTITUDE ,TIME 20 Min. MARKS :30.

-
1. Two pencils costs 8 cents, then 5 pencils cost how much
(Ans:20 cents).
 2. A work is done by the people in 24 min. one of them can do
this work a lonely in 40 min. how much time required to do the
same
work for the second person.
(ans:60 min.)
 3. A car is filled with four and half gallons of oil for full
round
trip. fuel is taken 1/4 gallons mor3 in going than coming. what is
the fiel consumed in coming up? (2 gallons)
 4. low temperature at the night in a city is 1/3 more than 1/2
hinge as higher temperature in a day. sum of the low temp and
highest temp is 100C. then what is the low temperature (40 C)
 5. A person who decided to go weekend trip should not exceed 8
hours
driving in a day Average speed of forward journey is 40 mph. due
to
traffic in sundays, the return journey average speed is 30 mph.
how far he can select a picnic spot (120 miles).
 6. A sales person multiplied a number and get the answer is 3,
instead of that number divided by 3. what is th answer he actually
has to get ? (1/3).
 7. A ship started from port and moving with I mph and another ship
started from L and moving with H mph. At which place these two
ships
meet ? (Ans is between I and J and close to J)
- !____!____!____!____!____!____!
port G H I J K L
8. A building with hight D ft shadow upto G A neighbour building
with
what height shadow C ft is (B ft.)
- !____!____!____!____!____!____!____!
A B C D E F G H
9. A person was fined for exceeding the speed limit by 10
mph. Another
person was also fined for exceeding the same speed limit by twice
the same. If the second person was travelling at a speed of 35
mph.
find the speed limit (15 mph)
 10. A bus started from bustand at 8.00a m and after 30 min staying
at
destination, it returned back to the bustand. the destination is
27
miles from the bustand. the speed of the bus 50 percent fast

speed.

at what time it returns to the busstand (11.00)

11. In a mixture, R is 2 parts, S is 1 part. In order to make S to 25%

of the mixture, how much R is to be added (one part).

12. Wind flows 160 miles in 330 min, for 80 miles how much time required.

13. With $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank

how much distance travels (5 miles).

14. Two trees are there. One grows at $\frac{3}{5}$ of the other. In 4 years,

total growth of trees is 8 ft. What growth will smaller tree will have in 2 years. (<2ft)

15. A storm will move with a velocity of towards the center in hours. At the same rate how much far will it move in hrs. (but Ans is $\frac{8}{3}$ or $2\frac{2}{3}$).

PART III: TIME 25 Min, MARKS :50.

CRITICAL REASONING : THERE WILL BE 13 PASSAGES WITH 50 QUESTIONS TIME 30 MIN.

HERE I AM SENDING ONLY SOME OF THE PASSAGES (these will give only rough idea)

(ANSWERS WILL BE AS YES/NO/CAN'T SAY we are giving our answers, please check.)

1. My father has no brothers. He has three sisters who has two children each.

- 1 my grandfather has two sons (f)
- 2 three of my aunts have two sons (can't say)
- 3 my father is only child to his father (f)
- 4 I have six cousins from my mother side (f)
- 5 I have one uncle (f)

2. Ether injected into gallbladder to dissolve gallstones. This type of treatment is enough for gallstones not for calcium stones. This method is alternative to surgery for millions of people who are suffering from this disease.

1 calcium stones can be cured in one day (f)
2 hundreds of people contain calcium stones (can't say)
3 surgery is the only treatment to calcium stones (t)
4 Ether will be injected into the gallbladder to cure the

cholesterol based gall stones (t).

3. Hacking is illegal entry into other computer. This is done mostly because of lack of knowledge of computer networking with networks one machine can access to another machine. Hacking goes about without knowing that each network is accredited to use network facility.

- 1 Hacking people never break the code of the company which they work for (can't say).
- 2 Hacking is the only vulnerability of the computers for the usage of the data. (f)
- 3 Hacking is done mostly due to the lack of computer knowledge

(f).

(there will be some more questions in this one)

4. alpine tunnels are closed tunnels. in the past 30 yrs not even a single accident has been recorded for there is one accident in the rail road system. even in case of a fire accident it is possible to shift the passengers into adjacent wagons and even the living fire can be detected and extinguished with in the duration of 30 min.

- 1 no accident can occur in the closed tunnels (True)
- 2 fire is allowed to live for 30 min. (False)
- 3 All the care that travel in the tunnels will be carried by rail shutters.(t)
- 4

5. In the past helicopters are forced to ground or crash because of the formation of the ice on the rotors and engines. a new electronic device has been developed which can detect the watercontent in the atmosphere and warns the pilot if the temp.is below freezing temp. about the formation of the ice on the rotors and wings.

- 1 the electronic device can avoid formation of the ice on the wings (False).
- 2 There will be the malfunction of rotor & engine because of formation of ice (t)
- 3 The helicopters are to be crashed or down (t)
- 4 There is only one device that warn about the formation of ice(t).

6.In the survey conducted in mumbai out of 63 newly married house wives not a single house wife felt that the husbands should take equal part in the household work as they felt they loose their power over their husbands. inspite of their careers they opt to do the kitchen work themselves after coming back to home. the wives get half as much leisure time as the husbands get at the week ends.

- 1 housewives want the husbands to take part equally in the household(f)
- 2 wives have half as much leisure time as the husbands have(f)
- 3 39% of the men will work equally in the house in cleaning and washing
- 3

7. copernicus is the intelligent. In the days of copernicus the transport and technology development was less & it took place weeks to communicate a message at that time.wherein we can send it through satellite with in no time -----. even with this fast developments it has become difficult to understand each other.

- 1 people were not intelligent during Copernicus days (f).
- 2 Transport facilities are very much improved in noe a days (can' say)
- 3 Even with the fast developments of the techonology we can't live happily.(can't say)
- 4 We can understand the people very much with the development of communication(f).

Q8) senior managers warned the workers that because of the
infoductors
of japanese industry in the car market. There is the threat to the
workers.

They also said that there will be the reduction in the purchase of
the sales of

car in public.the interest rates of the car will be increased with
the loss in demand.

1 japanese workers are taking over the jobs of indian
industry.(false)

2 managers said car interests will go down after seeing the raise
in
interest rates.(true)

3 japanese investments are ceasing to end in the car
industry.(false)

4 people are very much interested to buy the cars.(false)

Q9) In the totalitarituran days,the words have very much
devalued.In

the present day,they are becoming domestic that is the words will be
much more devalued.

In that days, the words will be very much effected in political
area.but

at present,the words came very cheap .we can say they come free at
cost.

1 totalitarian society words are devalued.(false)

2 totalitarian will have to come much about words(t)

3 The art totalitatian society the words are used for the
political
speeches.

4

Q10) There should be copyright for all arts. The reele has came
that

all the

arts has come under one copy right society,they were use the money
that come from

the arts for the developments . There may be a lot of money will
come from

the Tagore works. We have to ask the benifiters from Tagore work
to
help for

the development of his works.

1 Tagore works are came under this copy right rule.(f)

2 People are free to go to the because of the copy right
rule.(can't say)

3 People gives to theater and collect the money for
development.(can't say)

4 We have ask the Tagore resedents to help for the developments
of
art.(can't say)

NOTE : DO 1,2,3,4,5 PASSAGES WHICH ARE EASY. LAST BUT ONE ALSO. DO THAT
PASSAGES CAREFULLY. TIME WILL BE INSUFFICIENT. PASSAGES ARE NOT AS
EXACTLY

AS ABOVE. THERE IS HIGHLEVEL ENGLISH IN ALL THE PASSAGES, WE ARE GIVING
IN OUR OWN WORDS , U CANNOT EXPECT THE SAME TYPE OF ENGLISH THERE. WHILE
ANSWERING U SHOULD BE VERY FAST, DO NOT WASTE TIME, IT IS
INSUFFICIENT,TRY

TO ANSWER

AS MANY AS POSSIBLE.

SECTION 4. PSYCHOMETRIC TEST.

DO NOT BOTHER ABOUT MUCH ABOUT THIS TEST. BE OPTIMISTIC WHILE ANSWER.
THERE WILL BE 150 QUESTIONS IN 30 MIN. THE QUESTIONS IN THIS SECTION MAY
REPEATED WITH SLIGHT VARIATIONS ANSWER SHOULD BE SAME IN BOTH THE CASES.
(ans will be as yes/no/can't say)

for example

- 1 you will be interested in social activities.
 - 2 while going upstairs you will move two steps at a time.
 - 3 you will be making friendship with same sex or with opposite sex also.
 - 4 your friends will consider u as a leader in your group
 - 5 people think that your'e serious minded.
 - 6 some times you feel dull without any reason.
 - 7 your'e host or hostes for several parties.
 - 8 relatives come to your house you will entertain them.
 - 9 you will do work for longtime without tireness.
 - 10 in your company you want lead the organasition.
- etc.. the qwestions may repeate several times so becareful and give same ans's.

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