

TATA INFOTECH -99

VERBAL

1. Depreciation: deflation, depression, devaluation, fall, slump
2. Depricate : feel and express disapproval,
3. incentive : thing one encourages one to do (stimulus)
4. Echelon : level of authority or responsibility'
5. Innovation : make changes or introduce new things
6. Intermittent : externally stopping and then starting
7. Detrimental: harmful
8. Conciliation : make less angry or more friendly
9. orthodox: conventional or traditional, superstitious
10. fallible : liable to error
11. volatile : ever changing
12. manifest: clear and obvious
13. connotation : suggest or implied meaning of expression
14. Reciprocal: reverse or opposite
15. Agrarian : related to agriculture
16. vacillate : undecided or dilemma
17. expedient : fitting proper, desirable
18. simulate : produce artificially resembling an existing one.
19. access : to approach
20. compensation: salary
21. Truncate : shorten by cutting
22. adherence : stick
23. Heterogenous: non similar things
24. surplus : excessive

25. Assess : determine the amount or value
26. Cognizance : knowledge
27. retrospective : review
28. naive : innocent, rustic
29. equivocate : tallying on both sides, lie, mislead
30. Postulate : frame a theory
31. latent : dormant, secret
32. fluctuation : wavering,
33. eliminate : to reduce
34. Affinity : strong liking
35. expedite : hasten
36. console : to show sympathy
37. adversary : opposition
3. affable : lovable or approachable
39. Decomposition : rotten
40. egregious : apart from the crowd, especially bad
41. conglomeration: group, collection
4. aberration: deviation
43. augury : prediction
44. crediability : ability to common belief, quality of being credible
45. coincident: incidentally
46. Constituent : accompanying
47. Differential : having or showing or making use of
48. Litigation : engaging in a law suit
49. Maratorium: legally or officiallly determined period of dealy

before
fulfillment of the agreement of paying of debts.

50. negotiate : discuss or bargain

51. preparation : act of preparing

52. Preponderant : superiority of power or quality

53. relevance : quality of being relevant

54. apparatus : appliances

55. Ignorance : blindness, in experience

56. obsession: complex enthusiasm

57. precipitate : speed, active

Section III

Letter Series

These are too tough. Maintain time 26 questions ----- 10min

1. A C BDEFGI - I H K J L ANS: H

2. AIZBEYCI XDI - GENJW ANS;W

3. ADGJMP - RWTS ANS; S

4. ABCEFGIJK - MLONP ANS; M NOTE: MLONP ARE GIVEN OPTIONS

5. ABFGKLPQ - TSVUW ANS;U

6 JWXUVST - QPSET ANS; Q

7. ARHXYTDTWST - NPTKR ANS; P

8.FMBIPZVIEV - IRYOU

9. NZI YCX KWF - JFVMY ANS;V

10. AASASPASKA - RQTSU ANS;S

11. AECPS - TRUE ANS;U

12. BBPRDDLNFIFK - HQJIK ANS'H

13 AZEXIVMT - RQNSO ANS: Q

14. ABDGKP - LIWUX ANS:U
15. BCDAEGHIFJLMN LKNMO ANS: K
16. XWEEGVUHIJK - PNSRT ANS: T
17. ODJTOPQNOERT - QOUVW ANS;O
18. PRNUUPEJRBB - HVUNE ANS: E
- 19.LULMGMNFNPS - ONQPS ANS:P

QUESTIONS ARE NOT IN SEQUENCE.

NUMERICAL

1. 420% OF $7.79 = 32.718$
- 2 $3427 / 16.53 = 202$
3. $10995 / 95 = 115.7365$
4. $43+557-247 = 353$
5. $3107*3.082 = 9591$
6. $48.7 + 24.9 - 8.7 = 64.90$
7. $525.0/47.8 = 11$
8. $(135-30-14)*7 - 6 + 2 = 3$
9. $3/8 * 5.04 = 1.89$
10. $697 / 219 = 3.18$
11. $8/64 + 64/16 = 4.14$
12. $298*312/208 = 453.54$
13. $0.33 * 1496 / 13 = 37.98$
14. $0.26 + 1/8 = 0.385$
15. $66.17 + 1/3 = 67.03$
16. $2.84 + 1/4 = 3.09$
17. 33% OF $450 = 148.5$
18. $907.54 / 0.3073 = 3002$
19. THERE ARE two categories of persons in ratio A, b i.e. $A:B = 2:3$ A

type

earns 2.5 dollars/hr and B type 1 dollar/hr total money earned by both is 24 dollars. then total number of persons

Ans: 15

20. Question not clear

Slowing running - n hours - A

Medium running - B

fast running - k hours - c

Ans: $nA + kC$

21. Total balls z, red balls N remaining are black balls, then % of black balls equal to Ans: $z - n / z * 100$

22. Multiplication three digits and two digits number will result the

Ans: Hint: four digit number first number must be one.

23. $A = C; B = 2D$ what should be do to make the ratio same. i.e. $a/b = c/d$

Ans: multiply A by 2

24. P- Total number of components

Q= defective number of components

% of non defective equals to $p - q / p * 100$

25. Cost of article x, first discount is y% of cost, second discount is z% of cost. The price of x is

Ans: $x(1 - y/100)(1 - z/100)$

26. Prime number a) 119 b) 115 c) 127 d) none Ans: C

27. $A/B = C; C > D$ then

Ans: A is always greater than D

28. $B > C$ and $A \geq B$ then which expression will be highest value

Ans: AB

37. K,L -- Men ;X, Y -> Ans:kX + Ly

38. If A,B are same number, which one of the following doesnot satisfy this Ans: $A*B/B**2$

39. X- bulbs'; y - broken; % of non broken bulbs Ans: $x-y/x*100$

40. Adding X, Y to A equals to Ans: a (large expression)

41. Salary s permonth, tax x% of the salry, r% of salary is deducted what is the income.

Ans: $s*(1-(x+R)/100$

42. Add three digits and two digits numbers the first digit is

Ans:1 (four digit number starting with one)

43. $0.512 * \text{large number} = ?$

Ans:divide the given number by 2

44. In 10% balls 5 are defective, % of defective

Ans:50%

45. $6.29\% \text{ of } 2.8 = 0.18$

46. $0.398*456=181.49$

47. $0 < x5$

person 3 says $3N>20$

person 4 says $3n>10$

person 5 says N

>Group discussion topics:

>Instrctions:

1) There are 7 flow charts & each has 5-6 blank rectangles/diamonds with

subquestion no. in rectangle/diamond. you have to fill the blank from the

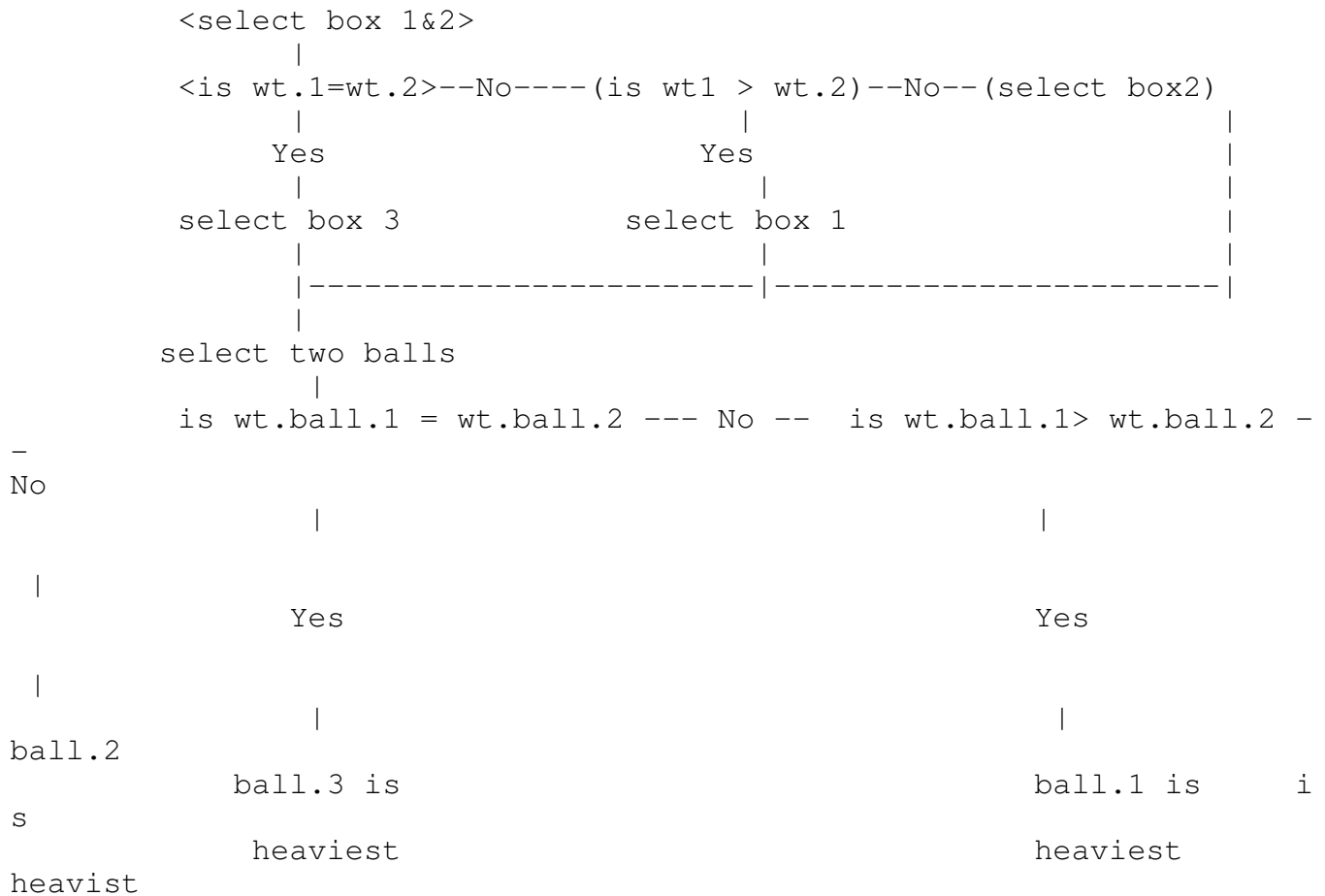
5 options given against respective question no.

2) You have to understand the logic & then it is very easy to fill the blanks.

3) they had provided some information which you have to use for getting answers.

Flow charts:

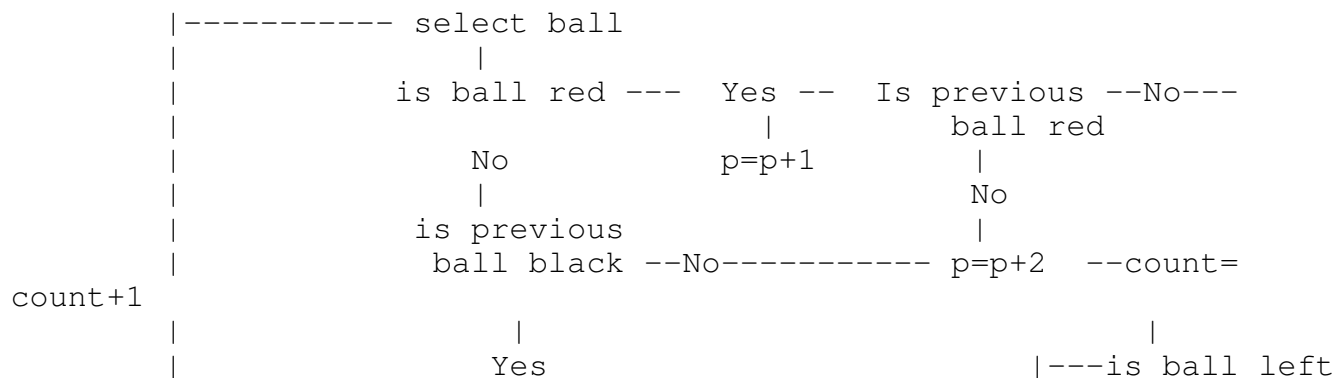
1) there are 3 boxes of 3 balls each. you have to select the heaviest among all.



so there will be some blank in this flow chart and u have to fill up the blank with correct option.

Q2)

there are red and black balls. if ball is red then one point. if ball is black and previous ball is red then two points. For winning u have to get seven points. No point for same color consecutive balls.



Classify objects in class A, class B and scrap. for classfing
u have to do diffrent test such as weight, material etc. and Flow char
for this ques. will be there along with some blanks.

Q4)

There is production process in which action depend on temprature and pressure. and there are temp. and press. controls.

Q5)

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    find max. and min. of the 12 nos. there will array and u have to
    arrange the numbers in assending/ descending order and find out max.
    and
    min.

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Q6)

different age group are given and also different salary slabs are given. so depending on the salary group as well as his group u have to fill the person in particular class. (ques. is not in exact form.)

>1. Brain drain: i.e. related to why immigration to U.S; I opposed
>partially and supported partially

 γ

>2. Electronic media effect; Internet, TV ,Email multimedia

$$>$$

> G.D they won't eliminate so many people. but you have
participate

```
>with enthusiasm.You talk something. Interview as usual, stereoscopic
>questions.like TCS.
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 γ γ

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> I went upto interview, afterwards out.
```

COMPUTER VISION (CV)

> =====

 \succ

>1 . $|X-A| == A-X$, Ans. c. $x \leq a$

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>2. There is six letter word VGANDA. How many ways you can arrange the
>letters
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> in the work in such a way that both the 'A's are together.
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> ans. 120
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>3. It two cards are toked on after other without replacing from a pac


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k
>of
> 52 cards. What is the probability for the two cards to be queen.
> ans.  $1/17 * 1/13$ 
>4. 51 X 53 X ..... X 59.
> a.  $99!/44!$  b. c. d  $(99! X 25! )/( 2^2^4 X 49! X 51!)$ 
> ans. d.
>5. The ratio of boys to girls is 6:4. Sixty percent of the boys and
>fourty
> percent of the girls lake lunch in the canteen. What percent of
the
>class
> takes lunch in the canteen?
> ans. 52%
>
>
>DATA SUFFICIENCY
>-----
>a. Only statement A is sufficient,
>b. Only statement B is sufficient,
>c. Both are necessary,
>d. Both are not sufficient.
>
>6. X is an integer. Is X divisible by 5?
> a.  $2X$  is divisible by 5,
> b.  $10X$  is divisible by 5.
> ans. a
>7. Is Anna the tallest in the class
> a. Anna is the tallest girl,
> b. Anna is taller than all boys.
> ans. c

ANALYTICAL
>-----
> Zulus always speak truth and Hutus always speak lies. There are
>three persons A, B,&C. A met B and says "I am a Zulus as I am a
>Hutu". We don't know
> what exactly he said. The B meets C and says to C that " A is a
>Zulu".
> Then C replied " No, A is a Hutu".
>
>9. How many Zulus are there?
> ans. 2
>10. Who must be a Zulu?
> ans. B, b (may be)
>
>
> A father F has 5 sins, P,Q,R,S,T not necessarily in this order
.
Two

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>are
>    of same age. The eldest and teh youngest cannot be twins. T is
elder
>to R
>    and younger to Q and S has three older brothers.
>
>questions:. 11, 12, 13, 14.
>
>    Who are the twin?
>    Who is the oldest/youngest.
>
>ans. order may be  QTRPS
>
>    There are 7 people who take a test, among M is the worst, R is
>    disqualified. P & S obtain same marks, T scares less than S and Q
>scores
>    less than P, N scores higher than every one.
>
>questions: 15, 16, 17, 18
>    ans. NPSTQRM
>
>    highest marks is to 'N'
>    least marks is to 'M'.
>
>UNIX & C
>-----
>
>19. What does chmod 654 stand for
>    ans. -rw-r-xr--
>20. Which of following is used for back_up files?
>    a. compress b. tar c. make d. all the above
>    ans. d
>21. What does find command do?
>    ans. search a file
>22. What does "calloc" do?
>    ans. A memory allocation & initialising to zero.
>23. What does exit() do?
>    ans. Came out of executing program.
>24. What is the value of the 'i'?
>    i= strlen("Blue") + strlen("Purple")/strlen("Red") -
strlen("green")
>    ans. 1
>25. i = 2;
>    printf("%ld %ld %ld %ld ", i, i++, i--, i++);
>    ans. chck out answer is wrong.
>26. Using pointers, changeing A to B and B to A i.e., swapping the
>function
>    using two addresses and one temporary variable, How will be the
>function
>    look like?

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>      ans. swap (int *, int *, int)
>27. In '^' how are the arguments are passed by default?
>      ans. by value.
>28. Find the prototype of Sine function
>      ans. extern double sin(double);
>29. Scope of a global variable which is declared as static?
>      ans. File.
>30. ASCII problem,  i = '^'-...
>      ans. 6
>31.What is the output of,
>      printf("Helow \0 is the world");
>      ans. Hello is teh world.
>32. Clarifying the concept addresses used ever arrays, i.e., changing
>the
>      address of a bare element production. What is error?
>33. Child process ---- fork,
>      child shell ---- sh.
>34. read about yacc, awk, man, etc.
>
>
>

```