TCS Placement Paper at Mumbai 14th August 2010

Company Name : TCS
Type : Fresher, Job Interview
Exam/Interview Date : 14-Aug-2010
No of Rounds : Aptitude Test, Technical Round-1
Location : Mumbai
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I am giving u the question patterns but the exact values within questions may be different. The written test consists of 35 questions. All questions are APTITUDE questions .No Verbal, No Passages etc. Only Aptitude.Based on blood Relations, Percentages, Profilt & Loss etc.

- **Time: 1 hour**
- **There is Negative marking: -0.33 for each wrong answer.**

Timer will be displayed on the top right corner of the screen.

1. form meaningful word from given letter : ARPAEEKT and tell meaning of that word
1.THE BIRD
2. THE ANIMAL
3.
4.
ans: THE BIRD---parakeet

2. There is a lab asistant.who went 1 mile to north.1mile to east...killed a bear.Returned to lab... .... What is the colour of the bear??
1.WHITE
2.Black
3.blue
4.
ans : WHITE
(REMEMBER THE ANS OF 1st two questions)

3. A pony ran away from stable she went to new york then went to US then to mumbai ran through grass ....Horse cought her after 4 hours....................then pony went to sky.............. ....If speed

of horse is 35kmph and he left stable 3 hrs after pony left stable then what is speed of pony?

1.
2.
3.
4.
ans
PONY ran for total 7 hrs
same dist covered by horse in 4 hrs with 35 kmph
thus dist of horsr 35X4
speed of pony----35X4/7

4. Mumbai building dept decide to give numbers to building...........1-30 numbers were given to industrial buildings...1-100 were given to res.buildings ....Find how many number of 2's were used while numbering res.buildings(2 number kiti vela aala??)
1.18
2.19
3.20
4.21
ans : 19

5. find (31*31*31/44*44*44)*(87*87*87/56*56*56)
1.
2.
3.
4.
USE CALCI(calculator is allowed atleast in our batch it was allowed)

6. A toy train can make 10 sounds sound changes aftr every 4 min................ .... now train is defective and can make only 2 sounds................. .... find probability that same sound is repeated 3 times consecutively(1 OUT OF ___)?
1.16
2.8
3.12
4.4
ANS:
(1/2)*(1/2)*(1/2)=(1/8)
thus 1 out of 8

7. ....
....
.... **resistance is X ohm**
voltage Y then wat is current
1.
2.
3.
4.
ans: V=IR

8. if a prson points at a photo nd say d person in dis picture iz son of my
fathers son wat iz reln
1.
2.
3.
4.

9. I have 3 grandsons... age diff btw 2 of grandsons
X yrs 1st grandson is twice elder than younger one adiition off ages of all the
three is y thn what is age of eldest grandson??(there is some value in X and Y)
1.
2.
3.
4.

10. Ferrari is leading car manufacturer.*Ferrari S.p.A.* is an Italian sports car
.. it has enjoyed great success. If Mohan's Ferrari is 3
times faster than his old MERCEDES wich gave him 35 kmph if Mohan travelled
490 km in his ferrari the hw much time(hours) he took??
1.8
2.4
3.7
4.7.33
(options may b diff)

11. lion rat stayin in jungle happily...
....
　Lion lies on : MON TUE WED
　RAT lies on :WED THURS SAT
　if lion says : I didnt lie yesterday

RAT says : e1 i didnt lie yesterday
so what day is today??
1.
2.
3.
4.

12. the ratio of current age of X and Y is 5:7,after hw many years der age ratio will b 7:9?

13. Inspired by fibonacci series sanket decided to create is own series which is 1,2,3,7,7,22,15,67,…. lik dis,then what no come immediately before 63?
ans= 202

Explanation: check altenate no.1,3,7,15=====>n*2+1 similarly 2,7,22,67=======>n*3+1 so series is 1,2,3,7,7,22,15,67,31,202,63……..

14. exactly similar to above qn

15. valentine day 14 feb 2005,was celebrated by n and u on monday,he was very happy,he n she…….. ………den day on 14 feb 2010???(similar to dis some date qn was der)

16. by using 1,2,3,4,5,how many 5 digit no. can be formed which is divisible by 4,repetation of no. is allowed??

17.the cost 1 plum is 1 cent ,2 apples is 1 cent,3 banana is 1 cent…….. if rahul buys same amount of fruits for his 3 sons spending 7 cent den what amount of fruit each child will get??
Ans: 1 plum ,2 apple,1 banana

Explanation:7/3=2.333 cents for each child according to ans given for d sum each child will get 1 plum ,2 apple,1 banana

18. 2880 is divided by which smallest no. so we get no. which is perfect square???
ans= 5

Explanation 2880/5=576

19.der r to prime no……..(with some nonsence stuff)…………. den addition of two prime no is 13,n multiplication is 21,den wat r some of der squares?
Explanation : XY=21 and X+Y=13…solve using calci..ans of X & Y will b in points..den x2+y2=??

20. smita was makin 1 design …..(again some nonsence)….size of larger cube to be

made is 5*5*5........ using smaller cubes of 1*1*1....she created solid larger cube ..den she decided to make hollow cube... den hw many 1*1*1 cubes rqd to make hollow larger cube

ans= 104

Explanation (25+25)+(15+15)+(12+12)=104

21. 2X/5Y=5X/3Y...den wat is x/y (some easy some)

22. A pizza parlor provides pizzas...there wer 2 toppings available initially peperoni and salami... but now they,ve introduces 8 new toppings (some names) to select from...... a person wishes to buy two DIFFERENT pizzas of NEW topping....in how many ways he can do that??

ans : 8 X 7=56

23. person travels to....(some nonsence stuff).....if he goes from A to B with speed of 4kmph and returns back to B with speed of 5 kmph....what is his avg. speed of journey??(values may b different)

ans: 4.44(its NOT 4.5)

Explaination : 2PQ/(P+Q)===2*4*5/(4+5)=4.44kmph

24. there is a dice having value frm 1 ..6 on each face......and a pack of cards having face card aces ..... (hugh chunk of nonsense)......when 2 dies are thrown and their scores are added then which sum will come max number of times??

1.8
2.9
3.10
4.11

Ans: 8

Explanation : 8----2,6 3,5 4,4
9----4,5 3,6
10----5,5 4,6
11---- 5,6
thus 8's probability is more

25.'' susha brought terilon cloth and rope to (some nonsence nw jst go to last 2 lines)....''.... if rope is 153 mtr long and it is to be cut into pieces of 1 mtr long then how many times will she have to cut it?? ans : 152 times

26. (dnt remembr the xact q but procedure was somethn lyk this) ....8th year--1/1024,, 9th year--1/512,, 10th year--1/256 then aftr hw many years 1/32???

ans: 13

27 (some q on this formula)(a3-b3) n (a+b)2=a2+b2+2ab

28. there are 2 cans A and B one of MILK and other of Water resp. , both of same qty...... first one teaspoon of milk from A can was added to B can... then one teaspoon from B can was added to A can then wich of the folloe\wing is true..
1.Can A contain more milk than water in can B
2.Can A contain less milk than water in can B
3.both contain same qty of milk and water
4.
Ans : option--2

29. probability sum on gloves,jackets and somethn lyk that(moderate sum)

30. there are some 2 wheelers and 4 wheelers parked ....(some nonsense)..........total number of wheels present is X(some value) then how many 4 wheelers wer there (i dont remembr whole sum exactly) (but it was easy ,q cud b solved by considering each and every options given as ans)

31. If a pipe can fill the tank within 6 hrs but due to leak it took 30 min more now if the tank was full hw much tym will it take to get emptyed through the leak??(i dont remembr whole sum exactly)(lil bit tricky sum)

32. Avg wt of class is X kg(some number) after adding wt of the teacger avg wt of class becomes Y kg then wat is the wt of the teacher??

imp point. jus seat nxt to any of ur smart frend cauz the entire paper is same in pattern wise i.e d qn are parajumbled but wid valus change for each qn(only values r changed bt solving techniqs remains same)