Campus Gate
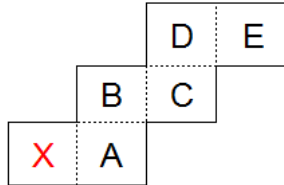
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TCS latest Placement paper Questions - 2015 (19)

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1. The figure shown can be folded into the shape of a cube. In the resulting cube, which of the lettered faces is opposite the face marked x?

a. c
b. a
c. d
d. b
Ans: C
Explanation: If you fold the above picture at the dotted lines, X and C are opposite to each other.

2. In how many ways a team of 11 must be selected from 5 men and 11 women such that the team must comprise of not more than 3 men?
a. 1565
b. 1243
c. 2256
d. 2456
Ans: C
Explanation;
The team may consist of 0 men + 11 women, 1 men + 10 women, 2 men + 9 women, or 3 men + 8 women.
So Number of ways are = $^{11}C_{11} + {}^5C_1 \times {}^{11}C_{10} + {}^5C_2 \times {}^{11}C_9 + {}^5C_3 \times {}^{11}C_8$ = 2256

3. Given that 0 < a < b < c < d, which of the following the largest ?
a.(c+d) / (a+b)
b.(a+d) / (b+c)
c.(b+c) / (a+d)
d.(b+d) / (a+c)
Sol: A
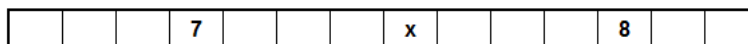Explanation: Take a = 1, b = 2, c = 3, d = 4. option A is clearly true.

4. Eesha bought 18 sharpeners for Rs.100. She paid 1 rupee more for each white sharpener than for each brown sharpener. What is the price of a white sharpener and how many white sharpener did she buy ?
a. Rs.5, 10
b. Rs.6, 10
c. Rs.5, 8
d. Rs.6, 8
Sol: B
Explanation: Just check the options. If she bought 10 white sharpeners at Rs.6 per piece, She has spent Rs.60 already. And with the remaining Rs.40, she bought 8 brown sharpeners at 40/8 = Rs.5 which is Rs.1 less than White sharpener.

5.

				7				x				8		

The fourteen digits of a credit card are to be written in the boxes shown above. If the sum of every three consecutive digits is 18, then the value of x is :
a. 3
b. cannot be determined from the given information.
c. 2
d. 1
Sol : A
Explanation:

Let us assume right most two squares are a , b

Then Sum of all the squares = 18 x 4 + a + b .... (1)

Also Sum of the squares before 7 = 18

Sum of the squares between 7, x = 18

and sum of the squares between x , 8 = 18

So Sum of the 14 squares = 18 + 7 + 18 + x + 18 + 8 + a + b (2)

Equating 1 and 2 we get x = 3

6. Four people each roll a four die once. Find the probability that at least two people will roll the same number ?

a. 5/18

b. 13/18

c. None of the given choices

d. 1295/1296

Sol: B

Explanation:

The number of ways of rolling a dice where no two numbers probability that no one rolls the same number = 6 x 5 x 4 x 3

Now total possibilities of rolling a dice = 6^4

The probability that a no one gets the same number = $\dfrac{6 \times 5 \times 4 \times 3}{6^4} = \dfrac{5}{18}$

So the probability that at least two people gets same number = $1 - \dfrac{5}{18} = \dfrac{13}{18}$

7. Jake can dig a well in 16 days. Paul can dig the same well in 24 days. Jake, Paul and Hari together dig the well in 8 days. Hari alone can dig the well in

a. 96 days

b. 48 days

c. 32 days

d. 24 days

Sol:

Explanation: Simple one. Let the total work to be done is 48 meters. Now Jake can dig 3 mts, Paul can dig 2 mts a day. Now all of them combined dug in 8 days so per day they dug 48/8 = 6 mts. So Of these 8 mts, Hari capacity is 1 mt.

So he takes 48 /1 = 48 days to complete the digging job.

Updated :

8. Eesha bought 18 sharpeners for Rs.100. She paid 1 rupee more for each white sharpener than for each brown sharpener. What is the price of a white sharpener and how many white sharpener did she buy ?

a. Rs.5, 10

b. Rs.6, 10

c. Rs.5, 8

d. Rs.6, 8

Ans:

Explanation: This question can be solved easily by going through options.

A. White sharpener total cost: Rs.5 x 10 = Rs.50. Brown sharpeners cost = Rs.4 x 8 = 32. Total cost is only Rs.82. Wrong option.

B. White sharpener total cost: Rs.6 x 10 = Rs.60. Brown sharpeners cost = Rs.5 x 8 = 40. Total cost is Rs.100. Correct option.

9. The sum of the digits of a three digit number is 17, and the sum of the squares of its digits is 109. If we subtract 495 from the number, we shall get a number consisting of the same digits written in the reverse order. Find the number.

a. 773

b. 683

c. 944

d. 863

Ans: D

Explanation: Check options. Sum of the squares should be equal to 109. Only Options B and D satisfying. When we subtract 495, only 863 becomes 368.

10. Mark told John "If you give me half your money I will have Rs.75. John said, "if you give me one third of your money, I will have Rs.75/- How much money did John have ?

a. 45

b. 60

c. 48

d. 37.5

Ans: B

Explanation: Let the money with Mark and John are M and J respectively.

Now

M + J/2 = 75

M/3 + J = 75

Solving we get M = 45, and J = 60.

11. Eesha has a wheat business. She purchases wheat from a local wholesaler of a particular cost per pound. The price of the wheat of her stores is $3 per kg. Her faulty spring balance reads 0.9 kg for a KG. Also in the festival season, she gives a 10% discount on the wheat. She found that she made neither a profit nor a loss in the festival season. At what price did Eesha purchase the wheat from the wholesaler ?

a. 3

b. 2.5

c. 2.43

d. 2.7

Ans: C

Explanation: Faulty spring balance reads 0.9 kg for a kg" means that she sells 1 kg for the price of 0.9 kgs, so she looses 10% of the price because of the faulty spring balance. She looses another 10% because of the discount.

So, she actually sells 1 kg for $3 \times 0.9 \times 0.9 = 2.43 and since at that price she made neither a profit nor a loss, then Eesha purchase the wheat from the wholesaler for $2.43.

12. Raj goes to market to buy oranges. If he can bargain and reduce the price per orange by Rs.2, he can buy 30 oranges instead of 20 oranges with the money he has. How much money does he have ?

a. Rs.100
b. Rs.50
c. Rs.150
d. Rs.120

Ans: D

Explanation: Let the money with Raj is M. So $\dfrac{M}{20} - \dfrac{M}{30} = 2$. Check options. Option D satisfies.

13. A city in the US has a basketball league with three basketball teams, the Aziecs, the Braves and the Celtics. A sports writer notices that the tallest player of the Aziecs is shorter than the shortest player of the Braves. The shortest of the Celtics is shorter than the shortest of the Aziecs, while the tallest of the Braves is shorter than the tallest of the Celtics. The tallest of the Braves is taller than the tallest of the Aziecs.
Which of the following can be judged with certainty ?

X) Paul, a Brave is taller than David, an Aziec
Y) David, a Celtic, is shorter than Edward, an Aziec

a. Both X and Y
b. X only
c. Y only
d. Neither X nor Y

Ans: B

Sol: We solve this problem by taking numbers. Let the shortest of Braves is 4 feet. Then tallest of Aziecs is less than 4. So let it be 3 feet.
A -> 2 - 3
B -> 4 - 6
C -> 1 - 7
From the above we can safely conclude X is correct. but Y cannot be determined.

14. There are 3 classes having 20, 24 and 30 students respectively having average marks in
an examination as 20,25 and 30 respectively. The three classes are represented by A, B and C and you have the following information about the three classes.
a. In class A highest score is 22 and lowest score is 18
b. In class B highest score is 31 and lowest score is 23
c. In class C highest score is 33 and lowest score is 26.

If five students are transferred from A to B, what can be said about the average score of A; and what will happen to the average score of C in a transfer of 5 students from B to C ?
a. definite decrease in both cases
b. can't be determined in both cases
c. definite increase in both cases
d. will remain constant in both cases

Ans: B

Explanation:
Class A average is 20. And their range is 18 to 22
Class B average is 25. And their range is 23 to 31
Class A average is 30. And their range is 26 to 33
If 5 students transferred from A to B, A's average cannot be determined but B's average comes down as the highest score of A is less than lowest score of B.
If 5 students transferred from B to C, C's average cannot be determined the B's range fo marks and C's range of marks are overlapping.

15. The value of a scooter depreciates in such a way that its value of the end of each year is 3/4 of its value of the beginning of the same year. If the initial value of the scooter is Rs.40,000, what is the value at the end of 3 years ?
a. Rs.13435
b. Rs.23125
c. Rs.19000
d. Rs.16875

Ans: D

Explanation: $40,000 \left(\dfrac{3}{4}\right)^3 = 16875$

16. Rajiv can do a piece of work in 10 days , Venky in 12 days and Ravi in 15 days. They all start the work together, but Rajiv leaves after 2 days and Venky leaves 3 days before the work is completed. In how many days is the work completed ?
a. 5
b. 6
c. 9
d. 7

Ans: D

Explanation: Let the work be 60 units. If venky worked for 3 days, and the remaining days of work be x days, total days to complete the work be x + 3 days.
Now Capacities of Rajiv is 60/10 = 6, Venky is 5, Ravi is 4.

(6 + 5 + 4) 2 + (5 + 4) (x - 2) + 5 x 3 = 60.

Solving we get x = 4. So total days to complete the work is 7 days.

17. A man has a job, which requires him to work 8 straight days and rest on the ninth day. If he started work on Monday, find the day of the week on which he gets his 12th rest day.

a. Thursday

b. Wednesday

c. Tuesday

d. Friday

Ans: B

Explanation:

He works for 8 days and takes rest on the 9th day. So On the 12th rest day, there are 9 x 12 = 108 days passed. Number of odd days = (108 - 1) / 7 = 107 / 7 = 2. So the 12th rest day is wednesday.

18. On a 26 question test, five points were deducted for each wrong answer and eight points were added for each correct answer. If all the questions were answered, how many were correct, if the score was zero ?
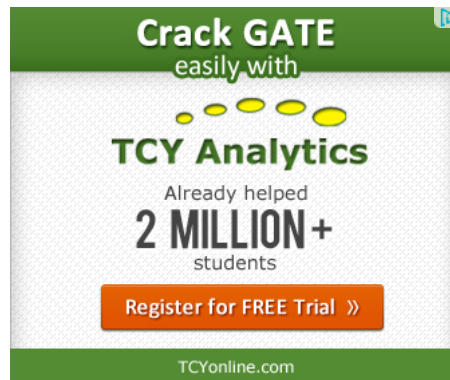
a. 10

b. 12

c. 11

d. 13

Ans: A

Explanation:

Take options and check. If 10 are correct, his score is 10 x 8 = 80. But 16 are wrong. So total negative marking is 16 x 5 = 80. So final score is zero.

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Join the discussion…

Arun kumar Pandey · 11 days ago

Sir,I had attended TCS campus placement in our collage in mumbai, but i had not clear all the round,But now we had received a 2nd chance may be buy offcampus... So is it contain the same type of question and cutoff.
Plz guide me sir, Plz Plz Plz......
very important for usss....

∧ | ∨ · Reply · Share ›

Malleswari Magham · 3 months ago

please send me TCS apptitude papers to my mail malleswari975@gmail.com

∧ | ∨ · Reply · Share ›

Amit · 3 months ago

Thank u campus gate ,,,, today i got placed in TCS , ,, In our college BEC bagalkot(karnataka), it took 146 students , ,

∧ | ∨ · Reply · Share ›

    harsh agrawal ➜ Amit · 2 months ago

    plz share some experience of TCS....It will come to our clg on 21st nov

    ∧ | ∨ · Reply · Share ›

monika · 3 months ago

please send me TCS apptitude papers at pawarm2256@gmail.com

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shubham · 3 months ago
ans for ques 2 is 2266
∧ | ∨ · Reply · Share ›

Deepak · 3 months ago
Sir please tell us how to solve these type of questions

in how many ways can the number 2310 be expressed as a product of 3 factors.
∧ | ∨ · Reply · Share ›

> **vishvajeet kumar gupta** → Deepak · 3 months ago
> first of all find the numbers of prime factors after that use pnc and solve
>
>
>
> ∧ | ∨ · Reply · Share ›

anita kushwaha · 3 months ago
if (68-a)(68-b)(68-c)(68-d)(68-e)=725 then what is the some of a,b,c,d,e where a,b,c,d and e is in the increasing order.

pls give me solution of i.e ques.
1 ∧ | ∨ · Reply · Share ›

> **amit** → anita kushwaha · 3 months ago
> 725=29*5*5*1*1 so we can write so a=39 b=63 c=67 d=69 e=73 sum of a b c d and e is 311
> ∧ | ∨ · Reply · Share ›

> > **anita kushwaha** → amit · 2 months ago
> > i agree with you but there the sum of a,b,c,d,and e should be 725 .
> > ∧ | ∨ · Reply · Share ›

Rtr Siddhant Sakhare · 3 months ago
plz solve this

multiply any number by 10 but without using * operator (code should be in single line)
2 ∧ | ∨ · Reply · Share ›

Prakhar Jain · 4 months ago
plz solve this.......

A toy can produce 10diiff sounds. Nw toy is defective to produce 2 sounds in 3min. find probability that it produces 6 consecutive is 1 in(_)
1 ∧ | ∨ · Reply · Share ›

amey · 4 months ago
sir the second answer is 2256
1 ∧ | ∨ · Reply · Share ›

Vikas Bedwal · 4 months ago
Really helpful stuff for tcs u hv sir. 8 questions was same as it is even values were also same. Some questions were different but logic of them were same as questions on campus gate
3 ∧ | ∨ · Reply · Share ›

Deepak · 4 months ago
how many times 2 comes in all 4 digit numbers?
Sir please solve this
1 ∧ | ∨ · Reply · Share ›

> **Nisha Sharma** → Deepak · 3 months ago
> no in which 2 appear=total cases-cases in which 2 don't appear
> total case=9*10*10*10=9000
> cases in which 2 dont appear=8*9*9*9=5832
> cases in which 2 appears=9000-5832=3178
> ans=3178
> ∧ | ∨ · Reply · Share ›

> **ankit** → Deepak · 4 months ago
> total no. of 4 digit nos are 9000(b/w 1000 and 9999).
> consider the case where the nos contain no 2 in it.
> so units place can be filled in 9 ways(0,1,3,4,5,6,7,8,9)
> similarly,tenth place in 9 ways
> hundredth place in 9 ways
> thousands place can be filled in 8 ways only(because 0 cannot come)
> so total nos are (9000-(8*9*9*9))=3168

∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → ankit · 4 months ago

I think this solution is for a different problem. How many 4 digit numbers contain '2' in it. In this case a number 2222 will be counted only once but not 4 times.

∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → Deepak · 4 months ago

Is the answer 3700?

1 ∧ | ∨ · Reply · Share ›

Deepak → Ramakrishna Salagrama · 4 months ago

sir, i also got 3700 but this was not in option and answer was 3178.

sir please tell me which one is right

1 ∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → Deepak · 4 months ago

3700 could be the correct answer.

1 ∧ | ∨ · Reply · Share ›

priyanka · 4 months ago

In this question A^B means A raised to the power B. If f(x)=a*x^4-b*x^2+x+5. f(-3)=2. Then f(3)=?

∧ | ∨ · Reply · Share ›

happy girl → priyanka · 4 months ago

in this ques u just have to substitute x=3 in f(x)=2 i.e. 81a-9b-3+5=2 you wil get a=b/9.now put x=-3 in f(-3) as well as substitute the value a=b/9 you will get :

f(-3)=81a-9b+8=81*b/9-9b+8=9b-9b+8=8. i.e f(-3)=8 Ans..:)

∧ | ∨ · Reply · Share ›

manasa cn · 4 months ago

The price of

a book in four different shops and the successive discounts offered for the

books is given below. Select the option in which the price of the book is the

least.

(a) 10%, 5%, and

5% discount on Rs.195

(b) 12.5% and

12.5% discounts on Rs.205

(c)25%, discount

on Rs.200

(d) 10%, and 15% discounts on a marked price of

Rs.190.

sir,pls help me out how to do this problem

∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → manasa cn · 4 months ago

195 x (90/100) x (95/100) x (95/100) = ...

Similarly calculate the others

1 ∧ | ∨ · Reply · Share ›

C Abhijeet · 4 months ago

A dealer originally bought 100 identicl batteries at total cost of q rupees .If each battery was sold at 50 % above the original cost per battery ,then, in terms of q, for how many rupees was each battery sold?

∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → C Abhijeet · 4 months ago

300/q2 = 150/q

4 ∧ | ∨ · Reply · Share ›

C Abhijeet → Ramakrishna Salagrama · 4 months ago

How ?

solution please.

1 ∧ | ∨ · Reply · Share ›

Ramakrishna Salagrama Mod → C Abhijeet · 4 months ago

Cost price = 100/q. Selling price = 100/q x (150/100) = 150/q

∧ | ∨ · Reply · Share ›

C Abhijeet → Ramakrishna Salagrama · 4 months ago

Thank you sir.

∧ | ∨ · Reply · Share ›

Rivu Sengupta · 4 months ago

Is there any scope to have the sample questions on permutation-combination & probability only?? Suggest me

⌃ | ⌄ • Reply • Share ›

manasa cn · 4 months ago

find out last two digits of(2957^3661)+(3081^3643). sir pls help me how to do this

⌃ | ⌄ • Reply • Share ›

> **Ramakrishna Salagrama** Mod → manasa cn · 4 months ago
>
> Answer : 98. Just read this article. http://www.campusgate.co.in/20...
>
> ⌃ | ⌄ • Reply • Share ›

Ashu Chauhan · 4 months ago

Got placed in TCS.....thanku campus gate.......though i couldnt find any question from campus gate but my friend had 5 questions from here...and i helped him with those......

2 ⌃ | ⌄ • Reply • Share ›

> **Ramakrishna Salagrama** Mod → Ashu Chauhan · 4 months ago
>
> Congratulations!!, Hi Can you send those TCS ques to me? Srk80@live.com
>
> ⌃ | ⌄ • Reply • Share ›

>> **raj** → Ramakrishna Salagrama · 3 months ago
>>
>> sir can u send me techinical questions...........
>>
>> ⌃ | ⌄ • Reply • Share ›

>> **Sarath Bank** → Ramakrishna Salagrama · 4 months ago
>>
>> sir can u please tell me the cutoff marks for the written exam for tcs campus recruitment
>>
>> ⌃ | ⌄ • Reply • Share ›

>>> **Ramakrishna Salagrama** Mod → Sarath Bank · 4 months ago
>>>
>>> It all varies. But You can answer 22 to 24 correctly, you will be on safes ide.
>>>
>>> ⌃ | ⌄ • Reply • Share ›

>> **Jojo** → Ramakrishna Salagrama · 4 months ago
>>
>> can u plz send me the tcs specific aptitude questions. Tcs is visiting our college on 30 th sep. My mail id is jojojacob143@gmail.com
>> Thank u in advance
>>
>> 1 ⌃ | ⌄ • Reply • Share ›

>>> **Ramakrishna Salagrama** Mod → Jojo · 4 months ago
>>>
>>> All the papers in www.campusgate.co.in are past questions. If you can practice all these questions, you surely get good idea about latest pattern of TCS written test.
>>>
>>> 1 ⌃ | ⌄ • Reply • Share ›

> **Ashu Chauhan** → Ramakrishna Salagrama · 4 months ago
>
> Thank you sir.....yes i'll forward those to you.
>
> ⌃ | ⌄ • Reply • Share ›

>> **Anuj Mishra** → Ashu Chauhan · 4 months ago
>>
>> at anujmishra06@gmail.com
>>
>> ⌃ | ⌄ • Reply • Share ›

>> **Anuj Mishra** → Ashu Chauhan · 4 months ago
>>
>> hiii TCS is visiting are college on 25 can u plzz mail the question to me ... i would be very thankful to u .
>>
>> ⌃ | ⌄ • Reply • Share ›

>> **swaroop** → Anuj Mishra · 4 months ago
>>
>> send me tcs paperss plz
>>
>> poornaswaroop.yaganti@gmail.com
>>
>> ⌃ | ⌄ • Reply • Share ›

ADARSH GAURAV · 4 months ago

55th word in the dictionary when ENGINEERING is arranged is shown below

arrange alphabets in ascending order E,E,E,G,G,I,I,N,N,N,R

no of words starting with EEEGGI=(5!/3!)=20

no of words starting with EEEGGN=(5!/(2!*2!))=30

so 51 word is EEEGGRIINNN

so 52 word is EEEGGRININN

so 53 word is EEEGGRINNIN

so 54 word is EEEGGRINNNI

so 55 word is EEEGGRNIINN

9 ∧ | ∨ • Reply • Share ›

Ankita · 4 months ago

for example: if it is ABUSER, first arrange the letters alphabetically..... as A,B,E,R,S,U.
now if we take AB we are left with USER=4!=48. Similarly, take AE, we are left with BSUR=$!=48.
so the 49th word in the dictionary will be ARBESU

4 ∧ | ∨ • Reply • Share ›

Ankit · 4 months ago

55th word of ENGINEERING in dictionary

∧ | ∨ • Reply • Share ›

> **Ankit** → Ankit · 4 months ago
>
> sir can you reply now bcz tommorow is my xam........?
>
> ∧ | ∨ • Reply • Share ›

>> **Ramakrishna Salagrama** Mod → Ankit · 4 months ago
>>
>> Can you provide options?
>>
>> ∧ | ∨ • Reply • Share ›

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