

TCS Question Bank Part-2

51: Lion and tiger are there. Lion lies on Monday,tue,wed and tiger lies on thurs,frid,sat. Lion said that today is one of those days when I lies. Tiger said that today is one of those days when I lie too. Then find today?

Ans: Thursday

52. $((4x+3y)+(5x+9y))/(5x+5y) = ?$ as $(x/2y) = 2$

Ans: as $x=2y$ put the value and get the answer.

53. If we subtract a number with y , we get 4 increase of number, once it got divided by y itself. Find that number??

Ans: 12 (we can easily predict from options, as we take y as 6)

54. Im only son for my parents. (some irrelevant statements in the middle to distract u).The man in picture is my father's son.(some irrelevant statements).who is he?

Ans: he himself(blood relation type of question).

55. A toy train can make 10 sounds sound changes after 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

56.

.....

.....
.....
resistance is X ohm voltage Y then what is current

- 1.
- 2.
- 3.
- 4.

Ans: $V=IR$

57. I have 3 grandsons.....

age diff btw 2 of grandsons X yrs

st grandson is twice elder than younger one

addition off ages of all the three is y

then what is age of eldest grandson??(there is some value in X and Y)

58. 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 which 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 be different)

59. Lion rat staying in jungle happily.....

.....
Lion lies on : MON TUE WED

RAT lies on :WED THURS SAT

if lion says : I didn't lie yesterday

RAT says : e1 i didn't lie yesterday

so what day is today??

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

70. Inspired by fibonacci series sanket decided to create its own series which is 1,2,3,7,7,22,15,67,....
like this, then what no come immediately before 63?

Ans:
202

Explanation: check alternate 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.....

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

Ans: last 2 place should be divisible by 4 So possible values at last place are 12,24,32,44,52 this can be arranged in 5 ways. The rest 3 places can be filled in $5*5*5$ way so total is 5^4

62. 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

xplanation: $7/3=2.333$ cents for each child

according to ans given for d sum each child will get **1 plum, 2 [apple](#), 1 banana**

63. There are two prime no.....(with some nonsense stuff).....
then addition of two prime no is 13, n multiplication is 21, den what are some of their squares?

Explanation: $XY=21$ and $X+Y=13$...solve using calci.. ans of X & Y will be in points. then $x^2+y^2=?$

64. Smita was making 1 design(again some nonsense)....size of larger cube to be made is $5*5*5$ using smaller cubes of

1*1*1....she created solid larger cube .Then she decided to make hollow cube... den how many 1*1*1 cubes reqd to make hollow larger cube

Ans: 104

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

65. $2X/5Y=5X/3Y$...den what is x/y

66. A [pizza](#) parlor provides pizzas...there were 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: $8 \times 7=56$

67. Person travels to....(some nonsense 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)

Explanation: $2PQ/(P+Q)=2*4*5/(4+5)=4.44\text{kmph}$

68. There is a dice having value from 1 ..6 on each face.....and a pack of cards having face card aces (huge 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

69. "Susha brought terilon cloth and rope to (some nonsense now just 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

70. There are some 2 wheelers and 4 wheelers parked(some nonsense).....total number of wheels present is 240
then how many 4 wheelers were there

Ans: This can be done by looking at the option first check the no of bicycles and then multiply it by 2. And then subtract the multiplication value from 240 if the value is divided by 4 then that is the answer

71. $\frac{1}{3}$ of a number is 6 more than $\frac{1}{6}$ of that number then what is the number

Ans: $\frac{x}{3} = \frac{x}{6} + 6 = 36$.

72. The cost of making a robot consists of material cost, repairing cost, coloring cost and is in the ratio 3:4:5. if the material cost is 1200 then find out the cost of the robot.

Ans: simple 3 part is 1200 so $3+4+5=12$ part=?

73. There are pepsi 1 litre & oil 1 litre .it is given as 1 spoon of pepsi is taken and is mixed with Oil. Then 1 spoon oil&pepsi is taken and is mixed with pepsi then which of the condition holds true.

Ans: the amount of pepsi in oil is more than amount of oil in pepsi.

74. An tank is filled with water .in first hour 10 lit ,in second hour 20 lit and in 3 rd hour time 40 lit. If time taken to fill $\frac{1}{4}$ of the tank is 5 hr. What is the time required to fill up the tank.

Ans: as the water is filled as twice speed and in 5 the hour $\frac{1}{4}$.so in 6 hour $\frac{1}{2}$.so answer 7 the hour

75. Two bowls are taken, one contains water and another contains tea. One spoon of water is added to second bowl and mixed well, and a spoon of mixture is taken from second bowl and added to the second bowl. Which statement will hold good for the above?

Ans: second liquid in first bowl is smaller than the first mixture in second bowl

76. Form 8 digit numbers from by using 1, 2,3,4,5 with repetition is allowed and must be divisible by4?

a.31250 b.97656 c.78125 d.97657

Ans: c

77. In school there are some bicycles and 4wheeler wagons. One Tuesday there are 190 wheels in the campus. How many bicycles are there?

Ans: 15

78. Key words in question (Fibonacci series, infinite series, in the middle of the question one number series is there....I got the series 3 12 7 26 15 ?

Ans:

54

(Logic: $3*2+1=7$ $12*2+2=26$ $7*2+1=15$ $26*2+2=54$)

79. A lies on mon, tues, wed and speak truths on other days, B lies on thur, fri, sat and speaks truths on other days ...one day a said I lied today and B said I too lied today. What is the day?

80. Man, Bear, North, South, walks. Color of bear (Hint: North pole)

Ans: White

81. A father has 7 penny's with him and 1 water melon is for 1p, 2chickoos for 1p, 3 grapes foe 1p.he has three sons. How can he share the [fruits](#) equally?

Ans: 1 watermelon,2 chickoos,1 grape

82. (1/2) of a number is 3 times more than the (1/6) of the same number?

Ans: 9

83. [KEYWORDS](#):T.Nagar,Chennai,1-100,prime numbers b/n 140-180,How many 2's are there?

Ans: 20 (Not only 2's , 1's,3's,4's,5's,6's,7's,8's,9's,0's also 20)

84. A man is standing before a painting of a man and he says I have no bro and sis and his father is my father's son?

Ans: he himself

85. One question has last part like difference between two terms is 9 and product of two numbers is 14, what is the squares of sum of numbers?

Ans: 109

86. What is the value of $[(3x+8Y)/(x-2Y)]$; if $x/2y=2$?

Ans: 10 (the numerical may change)

87. A pizza shop made [pizzas](#) with to flavours. In home there are 'N' different flavors, in that 'M' flavors are taken to made pizza. In how many ways they can arrange?

(Logic: NcM)

88. KEYWORDS: one organization ,material labor and maintenance are in the ratio of 4:6:7,the material cost is:100,what is the total cost?

Ans: 425

89. KEYWORDS: density, reluctance, sensitivity, voltage ,current, what is the resistance Formula is "R=V/I"

90. In a market 4 man are standing .the average age of the four before 4years is 45,after some days one man is added and his age is 49.what is the average weight of all?

Ans: 49

91. KEYWORDS: Die, card, coin, b/n 2 to 12

Ans: All are equal

92. In a school for a student out of a 100 he got 74 of average for 7 subjects and he got 79 marks in 8th subject. What is the average of all the subjects?

The extra 5 marks will be distributed in 8 semester, $5/8=.625$
 $74+.625=74.625$

93. In a question, last part has, the ages of two people has the ratio of 6:5 and by adding the numbers we get 44, after how many years the ratio would be 8:7?

Ans: 8

94. One train travels 200m from A to B with 70 km/ph. and returns to A with 80kmph, what is the average of their speed?

Ans: apply $2xy/x+y$

95. Two years before Paul's age is 2times the Alice age and the present age of Paul is 6times the Alice. what is the presents Paul's age???(3years) "u try to solve this question once"

96. There is ferarri and benz car, benz speed is say 10kmph and it cover 10 km. And if ferarri goes with 3 times faster than benz. So in how much time ferarri could take to cover same distance.

Solution: as speed of ferarri is $3*10=30$ so time will be $10/30$

97. If one lady have 3 daughter and any of out 3 have diff, of ages is 3. And oldest is 3 times of more than 2 than youngest after 2 years then tell the age of oldest daughter.

Solution: let x is youngest, y middle, z oldest. so $y-x=3$, $z-y=3$, and $z=2=2(x+2)$ and put the option answer try to get condition. (sorry i forgot option but pattern ll be same)

98. One question like that there is fibonacci series and you have to find one number ..clue-it based on series

99. If a person moves 15km straight and turns 45km right and moves 15km straight then how much distance he needs to walk to reach starting point?

100. If there are 30 cans out of them one is poisoned if a person tastes very little he will die within 14 hours so if there are mice to test and 24 hours, how many mices are required to find the poisoned can?

If atlantic is found in atlantic ocean, india is found in indian ocean then which of the following cases are true