

XAT Memory Based Paper



Essay Topic

Q1. Management colleges take students with excellent academic records – they do not have any setbacks and they do not take any risk so they become average managers.

Q2. Capitalism and democracy can't coexist.

Poem Based RC

1st poem – I smiled at you because I thought that you, Were someone else; you smiled back, and there grew between two strangers in a library Something that seems like love, but you loved me (If that's the word) because you thought that I was other than I was. And by and by we found we'd been mistaken all the while From that first glance, that first mistaken smile.

Q. What cannot be inferred from the following (Incomplete question).

A. Answer is not available right now.

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2nd poem – It hurts to walk on new legs: the curse of consonants, the wobble of vowels. And you for who I gave up a kingdom Can never love that thing I was. When You look into my past you see only weeds and scales. Once I had a voice now I have legs. Sometimes I wonder was it fair trade?

Q. What is the theme of the poem

A. The poem talks about someone who has made a sacrifice for Love. He or she has changed himself or herself. However, all their loved one chooses to see are the flaws in their past

Q. What is the meaning of the line “You see only weeds and scales”?

A. Petty problems and unnecessary things occurred in the past.

Quantitative Ability

Q1. Ramesh and Reena are Playing a Game. They took a Triangle, say, $\triangle ABC$. Reena draws a line bisecting $\angle BAC$. It cuts BC at point D . Ramesh extends AD to P and joins B to P . Then, Reena says BD bisects $\angle PBA$. It is given that $BD = 6$, $AC = 9$, $DC = 5$, $BP = 8$, $DP = 5$. Then $AP =$

A. 11.75

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Q2. $a^3 + b^3 = 128$. $\frac{1}{a^3} + \frac{1}{b^3} = 2$ what is $a^2 * b^2$.

A. 16

Q3. X members make a total of 2400 ladoos every day. One day, 10 members were less so each had to make 12 ladoos more. What is x-12?

A. 40

Q4. There are two types of apples A and B. Together they cost Rs.2800. A and B are bought (in kg) in the ratio 5:8. Also, the cost of type A apple is 20% more than Type B Apples. Profit on selling Type A is 15% and Type B is 10%. What is the overall profit?

A. 240

Q5. A supplier receives orders from 5 different buyers, each buyer places their order only on Monday. The first buyer places the order after every 2 weeks the second buyer after every 6 weeks, the third buyer places the order after every 8 weeks, the fourth buyer places the order after every 4 weeks and the fifth buyer places the order after every 3 weeks, if they all put the order on 1st Jan which was Monday, then on together excluding 1st Jan, in 1 year?

A. 2 times

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Q6. A marble is dropped from a 3-meter height. It bounces back to 80% of the previous Height. How much total distance does it travel before coming to rest?

A. 27m

Q7. There is a tower, and the distance of the tower from 3 points is 4m, 8m, and 16m. (Incomplete question)

A. 45 degrees

Q8. There is a 3 digit number abc such that $b = \frac{1}{2}a$ and $c = 3b$. A new 3 digit number is formed using a, b , and c which is 198 more than the original number. What is the value of b ?

A. 426 and the middle digit is 2.

Q9. Kim and Jim both have their separate watches. Watch of Kim runs at the correct pace whereas the watch of Jim has less pace than that of Kim. On Jan 1, 12.00 noon, Jim sets his watch on the correct time. After 1 hour, his watch is showing 12.57. On June 1 at 12.00 noon, he again sets his watch on the correct time, then including both these occasions on how many occasions his watch showed the same time as Kim?

A. 9

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Q10. Age of a person is a 2-digit number. This two-digit number is X . If you take a square of X , you get a 3-digit number in which, the rightmost digit is Y . Find the Age.

I. Y is a prime No.

II. Y is $1/3$ rd of X

A. Both the statements were needed to answer the question

Q11. X, a_1, a_2, Y are in A.P. Similarly, X, b_1, b_2, Z are in A.P. Given that $Y > X$ and $Z < X$, What can be the value of $(a_1 - a_2) / (b_1 - b_2)$

A. -3

Q12. There are 5 notes of Rs. 10, 3 notes of Rs. 20 and 2 notes of Rs. 50. If 3 notes are taken at random, what is the probability that the sum will be greater than Rs 90?

A. 7/60.

Q13. w, x, y and z are 4 integers such that x and z are positive and y is negative.

$$\text{Also, } w^4 + x^3 + y^2 + z \leq 4$$

$$x^3 + z \geq 2$$

$$w^4 + y^2 \leq 2$$

$$y^2 + z \geq 3$$

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Then what is the value of $w^2 + x^2 + y^2 + z^2$?

A. 6

Q14. There are 4 types of fruits oranges, apples, guava, and pears in numbers 126, 162, 198, and 306 respectively, all fruits are packed in different boxes such that all boxes should contain an equal number of the same types of fruits then what is the minimum number of boxes required?

A. 44

Q15. A circle has circumference = A and diameter = B, such that A and B are coprime. if $A : B$ is π , then what is $A - B$?

A. 15

Q16. A question on logarithm. $\log |3x-7|$ (Incomplete question)

A. $7/3$ to infinity

Data Interpretation

LR Set based on ten questions and students

Q1. What is the answer to question no. 5?

A. The answer is C.

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Q2. D is the correct answer for which of them?

A. The correct answer is question number 8.

Q3. Which question has the least correct answers?

A. The answer is question number 4.

A Pencil maker ships pencils in boxes of sizes: 50, 100, and 200. Due to packaging issues, some pencils break. About 20 boxes supplied to a shop:

Box 1 to 6 have 50 pencils

Box 7 to 16 have 100 pencils

Box 17 to 20 have 200 pencils

Also, no box has less than 5% and greater than 20% broken pencils.

Q4. Find the sequence of the no. of broken pencils for boxes 7 to 16, respectively.

A. 7,7,7,7,11,15,15,19,20,20

Q5. Second question (Incomplete)

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A. 20% of 100 pencil packet (4th option)

Q6. The third question (incomplete).

A. 133

A graph on Candlestick was given

Q7. Maximum percentage in the increase from closing price to the opening price. (Incomplete)

A. Day 1

Q8. Maximum difference (Incomplete)

A. 70

Q9. Which day it will fluctuate most. (Incomplete)

A. Day 10

Line graph based on Universities

Q10. What is the fourth university? (Incomplete)

A. TRU

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Q11. Which statement is not needed? (Incomplete)

A. Statement z is not needed.

General Knowledge

Q1. What is the definition of a Unicorn startup?

A. The company with a valuation of \$1 billion.

Q2. Which Olympic medallist stood for Bihar Elections?

A. Shreyasi Singh

Q3. Which of these 5 players has not won Ballon D'or?

A. Paulo Maldini

Q4. Full form of a blockchain term?

A. non-fungible token (NFT)

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Q5. Name the deputy NSA of India who is an XLRI alum?

A. Vikram Misri

Q6. Which of these states does not have an IIT?

A. Haryana