Argusoft

A clock initial position is 12:00:00 and the minute hand is little malfunctioning and reduced by 5 minutes per 15 minutes. Hour hand and the second hand is working fine. What will be the angle between hour hand and minute hand after 1 hour 30 minute 30 second.

Than 2nd round focused on mathematical puzzle solving . Than 3rd round a simple interview + puzzle solving

Clock based question in last round , birds and leaves based

there are two jugs one is 3L and another 5L. how can we keep 4L of water using both the jugs.

Find angle between hour and minute hand when format of watch is hh:mm:ss and 12 hour format

True time in watch is 10:15:30(hh:mm:ss) But after 9'o clock watch gain 5 min for each 15 min, so find false time in watch when True time is 10:15:30(hh:mm:ss) And give angle between hour and minute hand of false time.

Derive the equation for angle between min hand and hour hand in hr, min and sec. Find angle between hr and min hand for time 4:15 provided that hour hand loses 1 min in every 15 mins starting from 3:00.

Round 1:

Online Aptitude

If a train travels 300 kilometers in 5 hours, what is its average speed in kilometers per hour?

A store offers a 20% discount on all items. If the original price of a shirt is $50, what will be the discounted price?

If LION is coded as “MJPQ,” how is TIGER coded in the same way? If all dogs are mammals, and some mammals are cats, can we conclude that some dogs are cats?

What is the synonym for “pinnacle”?

Construct a sentence using the word “ubiquitous.”

Identify the pattern and predict the next figure in the series:

Which shape doesn’t belong in the group and why?

Write a Python function to check if a given number is a palindrome.

Write a Python function to find the factorial of a given positive integer.

Round 2:

HR Round If the price of a laptop is reduced by 20% during a sale and then further reduced by 10% due to a special discount, what is the final price if the original price was $800?

One morning A and B were talking to each other face-to-face at a crossing. If B’s shadow was exactly to the left of A, which direction was A facing?

Imagine you have three boxes. One contains only apples, one contains only oranges, and the third contains a mix of both apples and oranges. All three boxes are labeled incorrectly. You are allowed to pick just one fruit from one of the boxes. Without opening the box, how can you correctly label all three boxes?

Round 3:

VP Round Give an example of a time when you had to collaborate with a team to achieve a shared goal. How did you contribute to the team’s success?

A machine depreciates by 20% in the first year, 30% in the second year, and 40% in the third year. If the machine’s original value was 50,000, what is its value at the end of the third year?

Why did you choose to apply for the role of Programmer Analyst at Argusoft?

Q-1 Find angle between hour and minute hand when format of watch is hh:mm:ss and 12 hour format

Q-2 True time in watch is 10:15:30(hh:mm:ss) But after 9'o clock watch gain 5 min for each 15 min, so find false time in watch when True time is 10:15:30(hh:mm:ss) And give angle between hour and minute hand of false time

**Question:**On a tree, there are some branches. A flock of birds comes, and each bird sits on one branch of the tree. During this process, 3 branches broke, and it is seen that 12 birds did not get a branch to sit. Out of 12 birds, 3 flew away never to return. All the remaining birds formed back the flock and start sitting in groups this time, so everyone gets a branch to sit on. During this process, 3 branch broke again. Later it’s seen that 3 branches are empty, 3 branches have two birds each, and the rest branches have three birds each. How many total birds and branches were at the start?