ACG NEWSLETTER

Official Newsletter of AllCareerGuru.com

What's Inside

Dear Reader,

Welcome to another issue of the AllCareerGuru newsletter.

We continue to have our regular articles in this issue's edition, including an interview (with a candidate choosing to pursue physics as a career), a puzzle, 21st century skills, and upcoming deadlines. We have also started a new column on International Olympiads. Enjoy!

As always, we welcome answers to the puzzle and any feedback. Please write to newsletter@allcareerguru.com

Editor

Interview with Vaishali

In the era of ChatGPT, AI, Data Science, and IT, Vaishali chooses to pursue a career in Physics. ACG spoke to her to find out why!

ACG: Tell us about your interest in Physics in school days and how it continued into your twelfth.

Vaishali: I was always interested in Science. Particularly Physics and the answers it provided. Problem solving was not a chore for me and so it was an obvious choice to pick Physics as well as Mathematics in my 12th.

ACG: Were you not swayed by Engineering and Computer Science? What were the options explored after twelfth and what led you to the program and college?

Vaishali: My friends tried their hand at JEE, but I didn't. I wasn't keen on going into Engineering and I felt my 12th scores wouldn't land me a seat in a good Engineering college through counselling. I do not fully recall my mindset at that time, but I remember I chose to study Physics in my degree because I wanted to learn more about the subject and having a degree in Physics was an enticing avenue. I tried the Chennai Mathematical Institute(CMI) and Central University entrance tests with no preparation and admittedly the results weren't very good. I also applied to different colleges in Chennai and finally got into Women's Christian College (WCC) in Nungambakkam.

[Click here to read more.](#)

"I was always interested in Science. Particularly Physics and the answers it provided. Problem solving was not a chore for me and so it was an obvious choice to pick Physics as well as Mathematics in my 12th."

Charting Success in International Olympiads: A Guide for Indian Students

In this new series, we'll delve into the details of international olympiads viz., various olympiads, eligibility, selection process and resources. We cover the general information in this initial edition. In the forthcoming editions, we will dive deeper into each of the olympiads with more details.

International Olympiads serve as a symbol of academic success by giving students a chance to present their abilities and knowledge on a worldwide stage. For Indian students aspiring to compete on this international stage, understanding the variety of olympiads, their application processes, and eligibility criteria is paramount.

1. International Mathematics Olympiad (IMO):

A pinnacle for mathematics enthusiasts, IMO evaluates problem-solving prowess. Indian students often qualify through the Indian National Mathematical Olympiad (INMO), followed by intensive training camps. Prior to representation in IMO, there is a national level selection.

2. Science Olympiads:

a. International Physics Olympiad (IPhO): Physics enthusiasts demonstrate conceptual clarity via the National Standard Examination in Physics (NSEP), Indian National Physics Olympiad (INPhO), and training camps, ultimately leading to IPhO.

b. International Chemistry Olympiad (IChO): INChO and subsequent training camps pave the way for IChO, assessing students' chemical understanding and applications.

c. International Biology Olympiad (IBO): INBO nurtures the biological acumen of students, culminating in IBO participation.

Click here to read more.

Globally recognized olympiads:
1. International Mathematics Olympiad (IMO)
2. International Physics Olympiad (IPhO)
3. International Chemistry Olympiad (IChO)
4. International Biology Olympiad (IBO)
5. International Olympiad in Informatics (IOI)
6. International Olympiad on Astronomy and Astrophysics (IOAA)
7. International Earth Sciences Olympiad (IESO)

Paths to success through 21st century skills - Problem Solving Part 2

We will continue on problem-solving skills from where we left off in the last newsletter as it is such an important leadership skill.

In the last newsletter, consulting ChatGPT, we saw various steps to organise our thoughts around solving a problem, including constant upskilling and creative thinking.

Here we talk about the immediate steps to deal with a problem. The problem can be health related or some financial loss or some technical issue in a firm or may even be an accident.

The first step is to stay cool, asthe sage Thiruvalluvar says in his kural

`இடுக்கண் வருங்கால் நகுக'.

Basically he tells us to laugh when encountering a problem where he really means us to stay calm. A panicked reaction canworsen the situation.

Click here to read more.

"When encountering a problem, stay calm. A panicked reaction can worsen the situation."

"When there is a fire in a place, the first step is to douse it rather than doing a root cause analysis."

Upcoming Deadlines

Here, we provide links and deadlines for various entrance exams and scholarships. More details are in our website (https://allcareerguru.com/exams)

1. **All indian law entrance Test (AILET):**

   Purpose: Primarily for admission to NLU Delhi
   Application Deadline: 13 November 2023
   Eligibility Criteria: 10+2 Any Group
   Exam Date: 10th December 2023
   For details: https://nationallawuniversitydelhi.in

2. **Common Law Admission Test (CLAT):**

   Purpose: For admission to 5-year integrated Ll.B. and Ll.M. programmes and is for admission to multiple NLUs across the country, providing a wider range of choices.
   Application Deadline: 3rd November 2023
   Exam Date: 3rd December 2023
   Eligibility Criteria: 10+2 Any Group
   For details:: https://consortiumofnlus.ac.in/clat-2024

3. **Common Admission Test (CAT)**

   Purpose: Admission to graduate programmes at IIMs and other management institutes
   Application Deadline: 20th September 2023
   Eligibility Criteria: Any Bachelor's degree
   Exam Date: 26th November 2023
   For details:
   https://iimcat.ac.in/per/g01/pub/756/ASM/WebPortal/1/index.html

4. **Graduate Aptitude Test In Engineering (GATE)**

   Purpose: Admission to Master's in Engineering/Technology and PhD programmes to IISc, IITs and other premier institutes
   Application Deadline: 29th September 2023
   Exam Date: 3rd/4th/10th/11th February 2024
   Eligibility: Bachelor's degree in Engineering or Master's degree in Science
   For details: https://gate2024.iisc.ac.in/

5. **IIT Joint Admission Test For Master (IIT JAM)**

   Purpose: Admission to Masters in Science at various IITs
   Application Deadline: 13th October 2023
   Exam Date: 11th February 2024
   Eligibility: Bachelor's degree in Science
   For details: https://jam.iitm.ac.in

Previous Puzzle - Solution

Previous Puzzle:

Adya writes down an integer. She tells Sidhu that the following is true:

1. Subtracting 35 from her integer gives a positive result.

2. Multiplying her integer by 2, then subtracting 90 gives a negative result.

How many different integers could Adya have written down?

Answer:

Solution:

Subtracting 35 from Adya's integer gives a positive result. So Adya's integer is greater than 35.

Multiplying Adya's integer by 2, then subtracting 90 gives a negative result. So multiplying, Adya's integer by 2 gives a result that is less than 90. This is only possible if Adya's integer is less than $90/2 = 45$

So Adya's integer is greater than 35 and less than 45. That leaves the following:

36, 37, 38, 39, 40, 41, 42, 43, 44.

So Adya could have written down 9 different integers.

PUZZLE CORNER

Arjun has recently learnt about averages, and he says the following two sentences:
A: The average age of ten of his coaching class students is 15
B: After one student left, the average has become 17

Roshan who hears this says the following
C: No it can't be true, you must have made a mistake.
D: When someone leaves, the average will only decrease.

Explain which of the following statements is correct and why!
1. C is correct, but Roshan's reasoning in D is incorrect
2. Both C and D are correct.
3. Both C and D are incorrect.

அர்ஜுன் சமீபத்தில் சராசரிகளைப் பற்றி கற்றுக்கொண்டார், மேலும்

அவர் வ இரண்டு சொல்கிறார்:

A: அவரது பயிற்சி வகுப்பு மாணவர்களின் சராசரி வயது 15 ஆகும்.

B: ஒரு மாணவர் , சராசரி 17 ஆகிவிட்டது

இதைக் கேட்ட ரோஷன் வ கூறுகிறார்

C: இல்லை அது உண்மையாக இருக்க முடியாது, நீங்கள் தவறு
செய்திருக்க

D: ஒருவர் , சராசரி குறையும்.

வ கூற்றுகளில் எது சரியானது, ஏன் என்பதை
!

1. C சரியானது, ஆனால் D இல் ரோஷனின் காரணம் தவறானது
2. C மற்றும் D இரண்டும் சரியானவை.
3. C மற்றும் D இரண்டும் தவறானவை.

Send your correct answers latest by midnight of 15th October 2023 for lucky draw on 16th October 2023 for selecting the winner

Send your answer to the puzzle, comments and other suggestions to

newsletter@allcareerguru.com
We would love to hear from you.