

Presents

Brainiac Bulletin

A FORTNIGHTLY NEWSLETTER

Volume 3 | 16/24 | November 30, 2025

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SOF FORTNIGHTLY UPDATES

Important Notice: The SOF IEO, IGKO, and ICO exams have successfully concluded across all examination dates, marking another milestone in our journey of academic excellence.

All the 2025 SOF Olympiads have now completed their second phase, while a few are approaching their scheduled dates.

For schools that may have missed registration for the NSO, IMO, ICSSO, ISSO, and IHO, it's the final opportunity to participate. Don't miss the chance, registrations are open for the upcoming final exam dates listed below.

EXAM SCHEDULE

SOF Olympiad	Date 1	Date 2	Date 3
ICSO	24-September, 2025	09-October, 2025	22 January, 2026
ISSO	18-September, 2025	20-November, 2025	23 January, 2026
IHO	19-September, 2025	19-November, 2025	22 January, 2026
NSO	13-November, 2025	27-November, 2025	11 December, 2025
IMO	12-November, 2025	28-November, 2025	12 December, 2025

For additional information, Schools and institutes are advised to contact the SOF support team. Teachers and Principals may contact SOF Authorities at +91 9312680855, +91 9312680857, or +91 124-4951200 to get all the details.

Showcase Your Success in the SOF Hall of Fame!

SOF invites schools, parents and students to submit entries for the "Hall of Fame", a platform that celebrates exceptional and well-rounded student achievements. Selected entries will be featured on the SOF website, Facebook page, and in this newsletter.

To participate, please email your achievements along with valid proof and photographs to info@sofworld.org

Empower your students to become future innovators!

If your school has not registered yet for the NSO exam, don't miss this final chance.



SOF | **Techfest**
IIT BOMBAY

PRESENTS
INNOVATION CHALLENGE 2025
FOR **NSO** ASPIRANTS
Classes 8th, 9th & 10th

To participate, ask your students to read the problem statement on the **last page of their recent SOF NSO exam.**



FROM SOLVING PROBLEM TO SHOWCASING SOLUTION

Here's the story of Arnab, overcoming his own recovery struggles, created a smart AI solution to help other heal faster at IIT- Bombay Techfest.

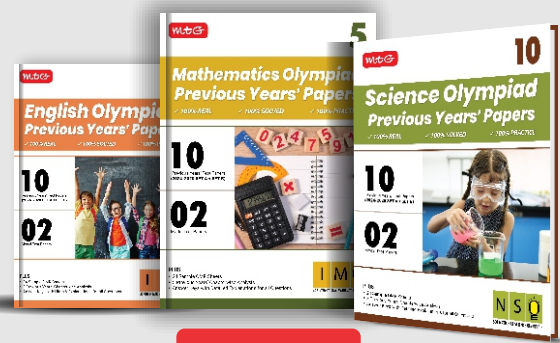
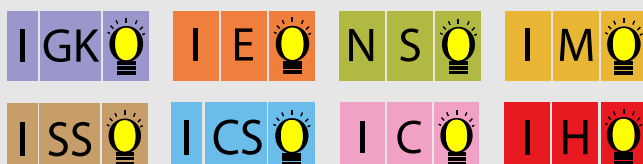
[Click here](#)

The best way to revise the Olympiad syllabus is here!

mtg Presenting

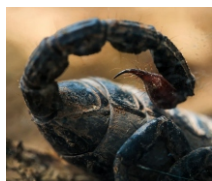
PREVIOUS YEARS' PAPERS

The Latest Edition for SOF Olympiads 2025-26



ORDER NOW

Science is cooler than you think!



A single protein could stop sudden death.

The venom of an Amazonian scorpion species may contain a compound capable of helping treat breast cancer, a disease that remains one of the top causes of death among women.

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FREEBIE ALERT – Free E book for powerful learnings



More Reps, more prep!

Transform the way your students learn. Download these free NSO sample papers that help students analyse exam questions and gain concept familiarity. Help them learn faster, understand better and think smarter.

[Download here](#)

INNOVATIONS THAT CHANGED OUR WORLD FOR FOREVER!

Innovation that gave new meaning to the music industry

By Les Paul (1940s)



The electric guitar brought music to new heights. Before it, acoustic guitars had limited volume and reach. Les Paul's creation allowed for greater amplification, changing the way we experience music. The electric guitar became iconic in rock, jazz, and beyond, shaping modern music.

SOF Launches the Exclusive Community of SOF Alumni. YOUR SOF JOURNEY DESERVES TO BE CELEBRATED!

- Connect with other SOF Achievers.
- Share your experience.
- A space for growth & mentorship.
- Get invited to the Annual SOF Award.



(or share this exciting news with someone you know who is an SOF Alumni)

JOIN NOW!

TEXTBOOK MEETS REAL WORLD

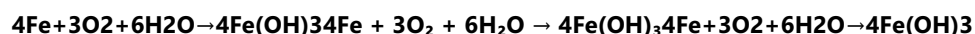
Have you ever noticed how metal objects, like nails or cars, seem to corrode over time, developing a reddish-brown coating? That coating is rust, and its formation is actually a fascinating chemical process that involves oxygen and water.

When iron is exposed to oxygen in the presence of water, a slow but inevitable reaction begins, causing the iron to break down and form rust. This process is called oxidation, and it's what causes metal to weaken and deteriorate over time.

Here is how it works:

As the iron (Fe) comes into contact with water and oxygen (from the air), a chemical reaction occurs where iron loses electrons to the oxygen, which is a key characteristic of oxidation. The result is the formation of iron(III) hydroxide (rust), which is a flaky, reddish-brown compound. The water plays a crucial role by facilitating the reaction and providing a medium for the ions to interact.

This reaction happens gradually over time, and if not prevented (e.g., through coatings or treatments), it can significantly weaken the structure of metal objects. The scientific process at play is oxidation, and the overall chemical reaction can be summarised as:



In summary, the formation of rust is a real-world example of oxidation at work. As iron reacts with oxygen and water, it forms iron(III) hydroxide, or rust, which causes the metal to corrode and weaken. So next time you see a rusty object, you're witnessing the chemistry of oxidation unfolding right before your eyes!

TEACHERS HELPDESK

The secret to consistently producing SOF exam champions from your class

- **Foster a Growth Mindset:** Encourage students to embrace challenges as growth opportunities, emphasising that consistent effort leads to success. Celebrate small wins to build confidence and resilience.
- **Personalised Attention & Targeted Practice:** Identify each student's strengths and weaknesses, providing tailored exercises to address areas for improvement. Offer advanced problems for stronger students to keep them engaged.
- **Focus on Conceptual Understanding:** Prioritise deep understanding over memorisation, helping students apply concepts to solve complex problems. Use interactive activities to reinforce key ideas.
- **Incorporate Time Management Techniques:** Teach students how to manage their time effectively during exams by practising under timed conditions. Show them strategies to handle difficult questions without stress.
- **Promote Regular Revision & Mock Tests:** Organise regular review sessions and mock exams to reinforce learning and familiarise students with the test format. This reduces anxiety and improves exam-day performance.
- **Create a Supportive Yet Competitive Environment:** Foster healthy competition through quizzes and challenges, while maintaining a supportive classroom culture. Encourage collaboration and peer learning to build confidence and camaraderie.

MYTH VS FACT

MYTH

Most of the people still believe that brain cell stops growing when you reach adulthood.

FACT

But what truly happens is neuron's flourish and change throughout the persons' lifetime.

MYTH FACT



Classes 1 to 10

Expand Your Olympiad Skills & Become Familiar with SOF Olympiads!

With the Latest Revised

OLYMPIAD SKILL DEVELOPMENT SYSTEM

BUY NOW

TIPS FOR TEACHERS

EdTech vs. Traditional Teaching: What Works Best for Olympiads?

1. **Personalised Learning:** EdTech adapts to student needs, targeting specific weaknesses for Olympiad prep.
2. **Interactive Problem Solving:** Technology makes complex problems more engaging, but lacks the depth of face-to-face discussions.
3. **Collaboration:** Traditional methods encourage group work whereas technical teaching helps to level up this learning among students.
4. **Time Efficiency:** EdTech offers flexible, on-the-go learning, but might lack the structured depth of classroom instruction.
5. **Motivation:** Traditional teaching provides personal connection and motivation.
6. **Access and Equity:** EdTech offers resources, but unequal access may limit opportunities for some students.

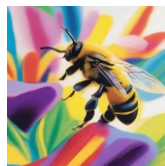
WHAT WOULD HAPPEN IF



The Sun revolves around the Earth?

Did you know that for centuries, people believed the Sun revolved around the Earth? This geocentric model was widely accepted, but it wasn't until scientists like Copernicus and Galileo challenged this idea that we began to understand the true structure of our solar system. Curious about how this revolutionary idea reshaped science and our place in the cosmos? [Click Here](#)

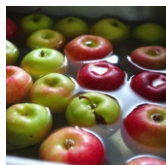
VOCABULARY BOOST



What is Bombilate?

Hubris refers to excessive pride, arrogance, or self-confidence that often leads a person to overestimate their abilities or disregard limits, rules, or moral boundaries. For example, a character who believes they are invincible and ignores all warnings until their downfall is displaying hubris. This concept serves as a moral lesson, illustrating how unchecked pride can lead to one's own destruction or downfall.

DO YOU KNOW?



Apples could float in water

Apples are interesting because they can float in water, thanks to the fact that about 25% of their volume is made up of air. This air-filled structure makes them buoyant, allowing them to stay afloat when placed in water. You can test this by simply putting an apple in a bowl of water and watching it float!

ASTRONOMY FACT



Geminid Meteor Shower

On December 13/14, the Geminid Meteor Shower will light up the night sky with its stunning display. The Geminid Meteor Shower, one of the year's most active, will peak around midnight local time, offering sky watchers a chance to see up to 120 bright, fast-moving meteors per hour under clear night local time through their telescopes.



ASK the Expert

Have doubts & queries about the SOF Olympiads? Ask now! Submit your questions and get them answered by experts. Don't miss out, stay informed, and excel in the SOF Olympiad. Message us on the SOF Official Instagram Page.

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