

SOPHIA COLLEGE (Autonomous), Ajmer



DEPARTMENT OF CHEMISTRY

2025-26



Sophia College
(Autonomous), Ajmer

**“CATALYST-THE CHEMISTRY
FORUM”**

IS ORGANIZING

POSTER MAKING COMPETITION

ON

**“CHEMISTRY: THE INVISIBLE HAND
BEHIND EVERYTHING”**



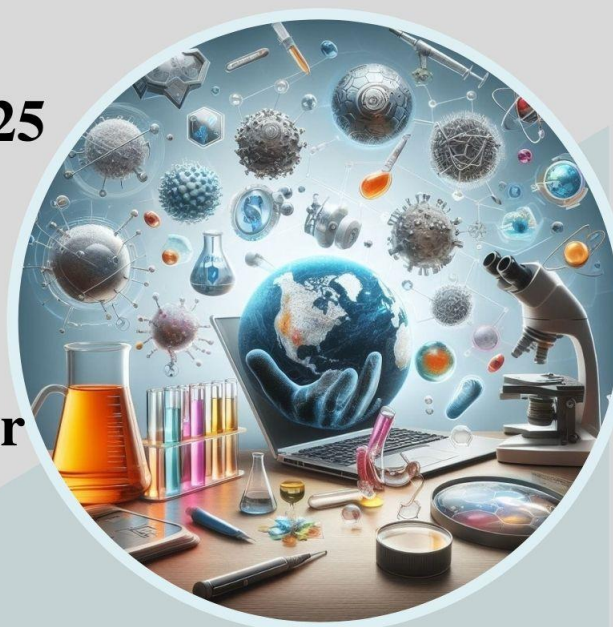
9th September 2025



11:30 am



**Fortunatus Indoor
stadium**



Name of the Department- Chemistry

Name of the Activity- Poster Making Competition on the topic “**CHEMISTRY: The Invisible Hand Behind Everything**”

Date of activity –9th September, 2025

Number of Participants – 31

Venue–Fortunatus Indoor Stadium

Objective of the Activity –

The aim of Poster Making Competition is to encourage students to creatively explore the vital role that chemistry plays in our daily lives and the world around us. The participants are motivated to think scientifically, conduct research beyond their textbooks and understand real world applications of chemistry.

The students made posters on the following sub-themes:

- Cosmetics and Lifestyle
- Medicine and Health
- Technology and Innovation
- Transport and Defence
- Chemistry In Kitchen- Cooking, Flavours, Preservatives and Nutrition
- In Agriculture
- Energy and Environment
- Industry
- Household products
- Nature

Two students secured 1st position.

Two students secured 2nd position.

One student secured 3rd position.

While four students received the Consolation Prize.

Learning Outcome-

Through this “Poster Making Activity” students developed a deeper understanding of how chemical processes influence everything from health and food to the environment and technology. Additionally, students enhanced their creativity, and ability to present complex ideas in a simple visual way.





SOPHIA COLLEGE (AUTONOMOUS), AJMER

“Catalyst- The Chemistry Forum”
in collaboration with
“EduHigh: The Higher Education Cell”
ORGANIZES

**“Toppers Talk: Guidance by CSIR-
UGC NET JRF Achiever ”**



29th October 2025



1 pm



Room No. 40



**SIMRAN DEWANI
CSIR-UGC NET
ACHIEVER
AIR-60**

Name of the Department- Chemistry and EduHigh – The Higher Education Cell

Name of the Activity- “Toppers Talk: Guidance by CSIR- UGC NET JRF Achiever”

Date of activity – 29th October, 2025

Number of Participants – 28

Venue–Room No. 40

Objective of the Activity –

The objective of a talk titled “**Toppers Talk: Guidance by CSIR- UGC NET JRF Achiever**” is to motivate and guide aspiring candidates preparing for the CSIR-UGC NET JRF examination by sharing practical insights, preparation strategies, and personal experiences by a JRF Achiever.

The main aim of the talk is to Inspire Aspirants, Provide Strategic Guidance and Clarify exam pattern .

Learning Outcome

By the end of the session, participants gained a clear understanding of the CSIR-UGC NET examination pattern, syllabus, and preparation requirements. They learned how to design effective study plans, select appropriate resources, and apply the proven strategies shared by the achiever to enhance their performance.

The session helped them to identify common challenges faced and the ways to overcome them , fostering better time management and exam readiness.

Additionally, participants gained motivation and confidence , developed a positive mindset towards their own preparation journey.







SOPHIA COLLEGE (AUTONOMOUS), AJMER

"Catalyst- The Chemistry Forum"
ORGANIZES
3D Model Making Competition
on
3D shape of molecules through the
lens of chemistry



Name of the Department- Chemistry

Name of the Activity- 3-D Model Making Competition

Date of activity –8th November, 2025

Number of Participants – 16

Venue–Fortunatus Indoor Stadium

Objective of the Activity –

The objective of 3-D Model making competition is to enhance the understanding of molecular geometry by encouraging students to visualize, construct, and analyze three-dimensional models of molecules.

Through hands-on model making, participants learn how atomic arrangement, bond angles, electron pair repulsion, and molecular symmetry influence the shape and properties of molecules.

The competition aims to develop scientific creativity, deepen conceptual learning of chemical bonding, and VSEPR theory, and promote the ability to represent chemical structures in physical 3-D forms.

1st position was secured by Riya Shobhawat

2nd position was secured by Rudra Mathur

3rd position was secured by Sneha Monga

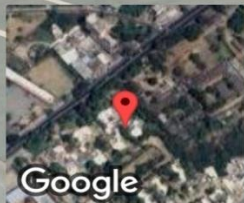
Learning Outcome-

Participants will be able to

- Understand molecular geometry
- Visualize 3-D structures
- Relate structure to properties
- Connect theory to real world chemistry



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