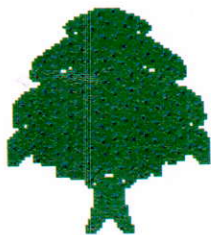


**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS  
SECTOR-11, CHANDIGARH**



**COURAGE TO KNOW**

**Science Society  
(Session: 2017-18)**

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*Shap*

*Maunhal*  
Principal  
Post. Graduate Govt. College for Girls  
Sector 11, Chandigarh

## **Orientation Programme**

With the great guidance of Principal, Prof. Anita Kaushal and supervision of Dean College and co-coordinator Societies Prof. Rama Arora, Science society of PGGCG-11, Chandigarh organized an orientation programme on **24<sup>th</sup> August, 2017** with the aim to make the freshers feel comfortable in the college and prepare them to face the challenges in life. Function started with the welcome address by Prof. Rama Arora and other faculty members. In their address, they welcomed the freshers and briefed them about the infrastructure, rules and regulations regarding attendance, fee concession, scholarships, pattern of house examination, anti-ragging cell and also emphasized on mentoring classes. Students were motivated to come forward and actively participate in various self-development activities to have an edge of learning beyond academics. Around 150 students attended the same.



**Students attending the orientation programme**

## **Workshop on Magnificent World of Science**

One Day Workshop was conducted in PG Govt. College for girls, sector-11, Chandigarh on topic 'Magnificent World of Science' (Capacity building Programme for Students & Faculty) Sponsored by RUSA, Chandigarh Administration on **14<sup>th</sup> September, 2017**. Prof. K.P. J. Reddy from Aerospace Engineering, Indian Institute of Science, Bengaluru, and Dr. Prince Sharma, TBRL, Chandigarh were the key speaker in the workshop. 180 students attended the function.



**Students attending the workshop**

## **Visit to Mega Science Exhibition - CSIO, Chandigarh**

On the occasion of 75 years completion of CSIR in Indian Science and marching towards a strong knowledge as a part of CSIR platinum jubilee Celebrations, CSIR-CSIO organized a Mega Science Exhibition for three days on **30<sup>th</sup> October to 1<sup>st</sup> November, 2017** at CSIR-CSIO sector 30 Chandigarh. MSc (II) chemistry PGGCG, Sector-11, Chandigarh along with their teachers attended the inaugural function of the exhibition and was made aware of research opportunities. Our organization has been under adoption program of CSIO. 21 students and 02 faculty members attended the same.



**Students at CSIR-CSIO**

## **International Workshop on “Shock Waves in Science, Engineering and Medicine”**

A Two days International Workshop on **23<sup>rd</sup> & 24<sup>th</sup> February, 2018** on “Shock Waves in Science, Engineering and Medicine” being organised by the Science Society of PG Govt. College for Girls, Sector-11, Chandigarh was inaugurated today. The workshop is being held in collaboration with –

- Indian Academy of Sciences, Bengaluru;
- Indian National Science Academy, New Delhi;
- The National Academy of Sciences, Allahabad,
- Armament Research Board DRDO, New Delhi and
- High Energy Materials Society of India (HEMSI), Chandigarh.

In the inaugural session Prof. Gopalan Jagadeesh from Department of Aerospace Engineering, IISc Bengaluru gave an introduction of Shock Waves and its conceptual framework. This was followed by a highly interactive session which clarified the fundamentals of the theme under discussion. Prof. E. Arunan from Department of Inorganic and Physical Chemistry, IISc Bengaluru threw light on the dimension of ‘Chemical Kinetics’. Prof. Venkata R. Kakulavarapu from Department of Biomedical Engineering, New Jersey Institute of Technology, USA made a presentation on ‘Blast-induced Traumatic Brain Injury displays a unique pattern of Spatial Neuropathology’. Prof. V. Jayaram from Department of Solid State and Structural Chemistry, IISc Bengaluru talked about ‘Shock Wave: Application in Material Science’. 140 students participated.



**Inaugural address by Prof. Gopalan Jagadeesh**

## Capacity Building Workshop on Recent Trends in Science

Department of Chemistry, Post Graduate Government College for Girls Sector-11, Chandigarh, organised one day capacity building workshop on **28<sup>th</sup> February, 2018**, Under the aegis of RUSA. in the college on the topic “Recent Trends in Science and Technology”, Resource persons were selected and invited on the basis of their expertise knowledge and experience in the required field. About 40 faculty members and 100 UG, PG and Hons. students from the college participated in the workshop. It comprised of three sessions including inaugural session.



**Banner of one day workshop**

## Workshop on instrumentation techniques at GGDS College

The students of M. Sc. I and faculty members of Chemistry department attended one day workshop on Instrumentation Techniques in Chemistry organized by the Department of Chemistry of GGDS College, Sector 32 on **6<sup>th</sup> March, 2018**. The workshop comprised of five lectures and demonstration of various instruments used in chemistry. 21 students attended the same.



**Hydraulic Pellet Press**

Q.3 Calculate the  $\lambda_{max}$  value for the given compound

C1=CC=C2C(=C1)C(=C3C=CC(=C3)C=C2)O

Double bond extending conjugation

Name of Compound	10,13-dimethyl-2,3,10,11,12,13,15,16,17-decalyn-14-one
Wavelength of Compound	
Class: $\pi \rightarrow \pi^*$ transition	+ 21.5 nm
Substituents: $\gamma$ -alkyl groups	$5 \times 5 = + 25$ nm
1 Double bond extending conjugation	+ 30 nm
2,3- $\pi$ Conjugative Double	+ 15 nm
Wavelength	285 nm
Wavelength	280 nm

DEPARTMENT OF CHEMISTRY

**Lecture in Progress**