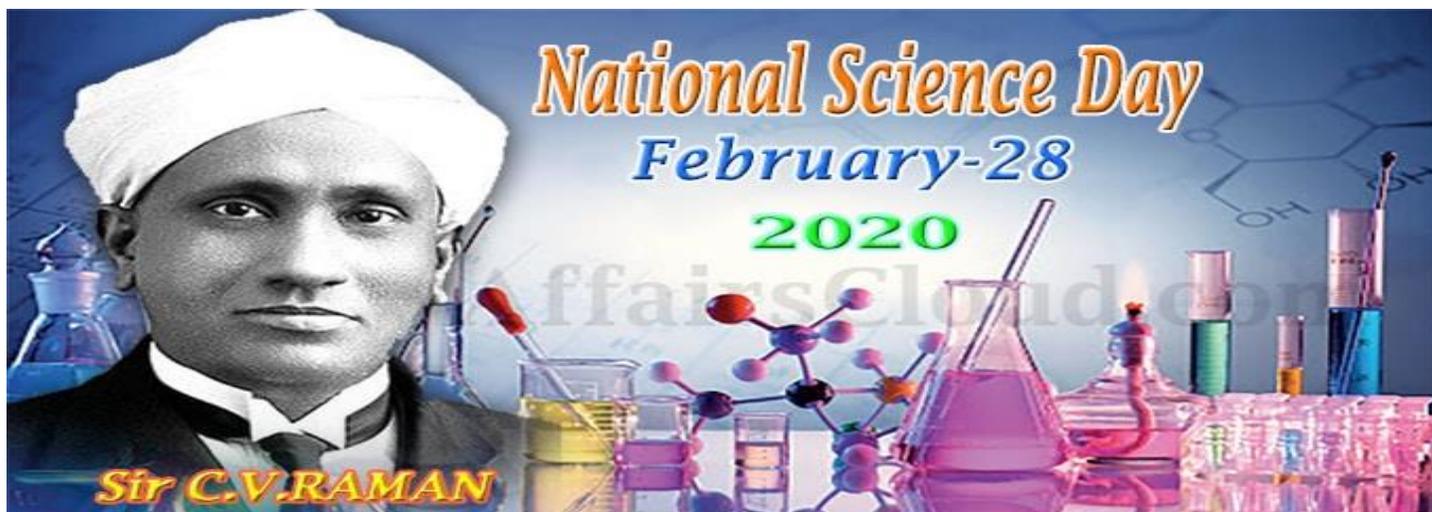


Vidya Prasarak Mandal
Mungasaji Maharaj Mahavidyalaya Darwaha



DEPARTMENT OF PHYSICS



Poster Presentation Competition
On
“Periodic Table and Science”

Session 2019-2020

IN-CHARGE TEACHER
(**PROF. D. D. KOTHEKAR**)

I. Q. A. C. COORDINATOR
(**DR. P. D. BAGESHWAR**)

HEAD OF
DEPARTMENT
(**DR. K. K. HURDE**)

PRINCIPAL
(**DR. V. B. RAUT**)

POSTER PRESENTATION COMPETITION

About the Competition

- ❖ National Science Day is celebrated every year on February 28. This day recalls the notable invention "Raman Effect" by India's greatest scientist C.V. Raman.
- ❖ He was awarded the Nobel Prize for this discovery. Since that day, February 28 is being commemorated as National Science Day to recall the great discovery of C.V. Raman.
- ❖ 2019 is celebrated as International Year of Periodic Table (IYPT) on 150th Anniversary of Periodic Table.
- ❖ On the occasion of National Science Day 2020, an intra-collegiate Poster Presentation Competition on the Theme "Periodic Table and Science" was organized by Science Faculty on 28th Feb. 2020.
- ❖ Students from B. Sc. I, II, III showed enthusiasm and actively participated in the activity in groups on various topics based on Basic Sciences (Chemistry, Mathematics, Physics).
- ❖ There were 52 posters in all. Teachers from respective departments did the evaluation of the posters.
- ❖ 15 posters out of 52 were purely based on Physics Syllabi.
- ❖ B. Sc. II year Physics students presented total 14 posters in groups of 4 to 6 students. They covered different topics such as LASERS, Nicol Prism, Lenses, Communication Satellite, etc. from their syllabus.
- ❖ Five M. Sc. I (Physics) students together presented a poster on the topic "14 Bravais Lattices".

About the Results

- ❖ One Best Poster was selected from each subject depended on the choice of the topic, its elaboration and question-answer sessions.
- ❖ Poster on "**Diffraction of Light**" presented by **B. Sc. II students Miss. Pallavi Ade, Miss. Sakshi Rathod, Miss. Srushti Raut, Miss. Amruta Chavhan and Miss. Sandhya Kalyankar** secure **1st Rank** among the Physics Posters.
- ❖ At the end of the competition, a celebration of NSD and Prize Distribution Programme was organized. The winner teams were awarded by Prize.
- ❖ Such kind of events are effective and essential for building up team work, presentation, explanation and communication capabilities within the students.

PARTICIPANTS LIST

Mungsaji Maharaj Mahavidyalaya, Darwaha

Department of Physics

National Science Day 2020

28-02-2020

Poster Presentation Competition

B. Sc. II Sem. II

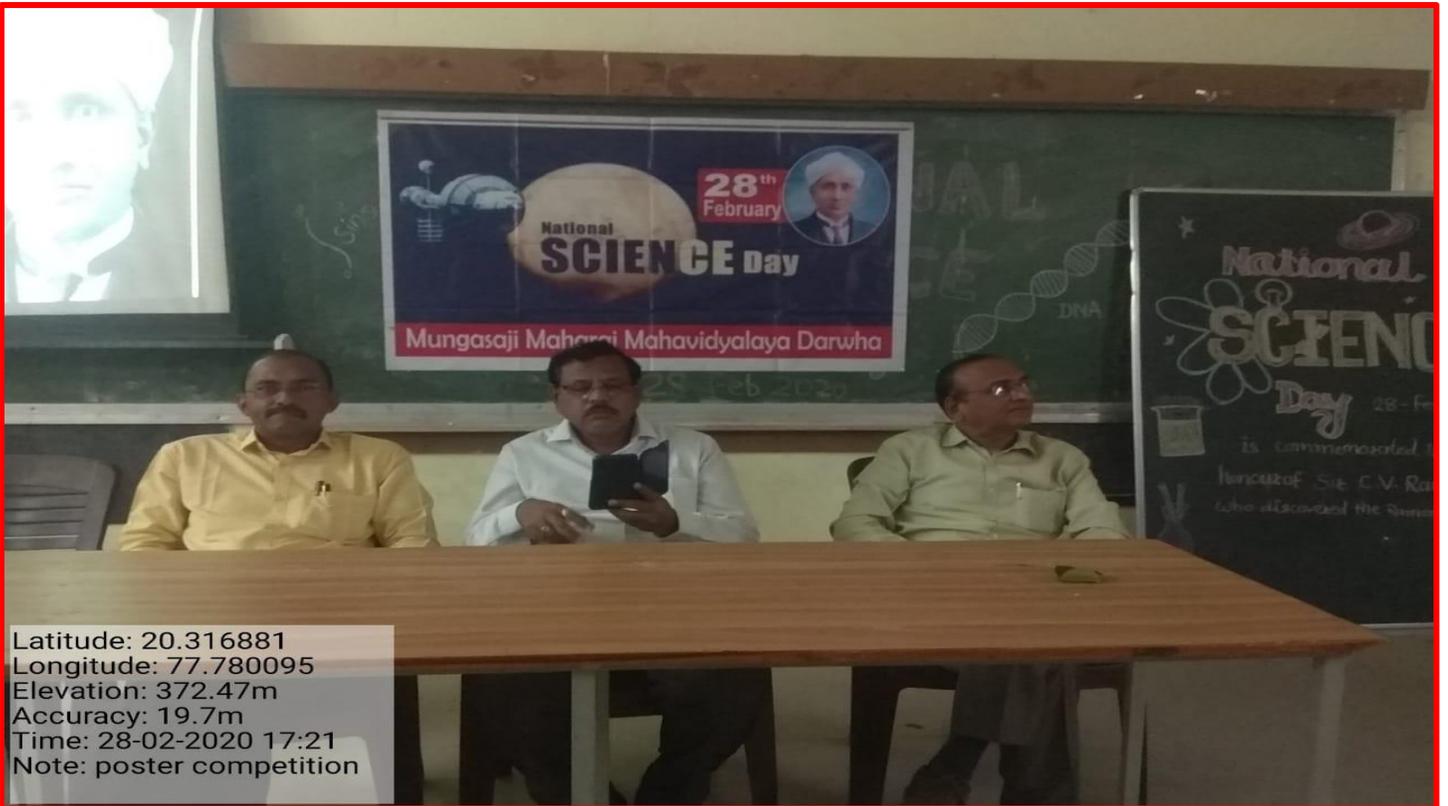
Sr. No.	Group Number	Name of the Participant	Presentation Topic	Signature of Participant
1.	I	Ku. Pallavi Ade Ku. Sakshi Rathod Ku. Srushti Raut Ku. Amruta Chavhan Ku. Sandhya Kalyankr	Diffraction of Light	
		} B.Sc. III		
2.	II	Ku. Payal Chavhan Ku. Gayatri Chaudhari Ku. Ashwini Rathod Ku. Vrunda Patre Ku. Monali Deshmukh	Lenses	
		} B.Sc. III		
3.	III	Ku. Vaishali Kale Ku. Rutu Agham Ku. Ashwini Ingale Ku. Shamal Aswar Ku. Sakshi Ladbade	LASER	
		} B.Sc. II		
4.	IV	Ku. Payal Shende Ku. Aniketa Khandare Ku. Rani Khadase Ku. Tejal Bhusate Ku Shubhangi Jadhav Ku Priyanka Jadhav	Physical Constants	
		} B.Sc. II		
5.	V	Ku. Pragati Kanade Ku. Vaishnavi Tarpe Ku. Rutuja Kawale Ku. Nikita Chavhan	Nicol Prism	
		} B.Sc. II		
6.	VI	Ku. Pooja Dudhe Ku. Anushree Aswar Ku. Pratiksha Aswar Ku. Dipa Shende Ku. Sharda Yelsate	Units and Dimensions	
		} B.Sc. II		

7.	VII Second Rank	Mr. Kishor Misar Mr. Aniket Chandanshe Mr. Yogesh Rathod Mr. Hritik Wankhede Mr. Sagar Wankhede	B.Sc. II	Communication Satellite	Fatsar Sundhar Bhat Subhale Dhan
8.	VIII	Mr. Durgesh Rangari Mr. Ketan Talware Mr. Bhushan Godmale Mr. Pratik Sune Mr. Tukaram Jadhao	B.Sc. II	Renewable and Non-Renewable Sources	Kaladap P.S. Sune Padmad
9.	IX	Raushan Mirza Shaiwana Khan Rahifa Shaikh Sana Shaikh Saima Shaikh	B.Sc. II	Brewster's Law	Raushan Bek Jai. Dit Asim
10.	X	Ifra Kaunain Nashra Iram Naushin Quazi Kajal Rathod	B.Sc. II	Laurent's Half Shade Polarimeter	Jai Faran Nashra Naushin Kajal Rathod
11.	XI	Ku. Shravani Dudhe Ku. Achal Ruikar Ku. Nisha Korde Ku. Shradhha Shendurkar	B.Sc. II	Solar Cell	H.G. Ruikar N.G. Korde Saa
12.	XII	Ku. Priya Kadam Ku. Kavita Tajane Ku. Pooja Thakare Ku. Rutuja Raut Naziya Khan Shubhangi Tayde	B.Sc. II	LASER	Shubhangi K.K. Tayde Pooja Rutuja Naziya Shubhangi
13.	XIII	Ku. Apurva Pande Ku. Sampada Pande Ku. Prachi Dudhe Ku. Pranali Dudhe Ku. Nandini Gawande	B.Sc. II	Ruby LASER	Prachi Pande Pranali Dudhe Nandini
14	XIV B.Sc. II	KU. Sakshi Dhavas KU. Sakshi Gawande KU. Poyal Dese KU. Shreya Khode KU. Rupali Jadhav		Ruby Laser	S.B. Dhavas Gawande Dese Shreya Rupali
15	XV M.Sc. I Physics	Ku. Kajal Chaudhari Ku. Rani Ambekar Ku. Priya Jaiswal Vishal Raut Shubham Deshmukh		The 14 Bravais Lattices	Priya Ambekar P.R. Jaiswal Raut Deshmukh

In-charge Teachers Dr. P. Bhatkar

H.O.D. Head Department of physics
M.M. College, Darwhe

PHOTOGRAPHS



Latitude: 20.316881
Longitude: 77.780095
Elevation: 372.47m
Accuracy: 19.7m
Time: 28-02-2020 17:21
Note: poster competition



LAKE ATHABASCA CANADA

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20.318795°

Longitude
77.786151°

LOCAL 15:18:18
GMT 09:48:18

FRIDAY 02.28.2020
ALTITUDE 0 METER



LAKE ATHABASCA CANADA

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 Note: poster competition



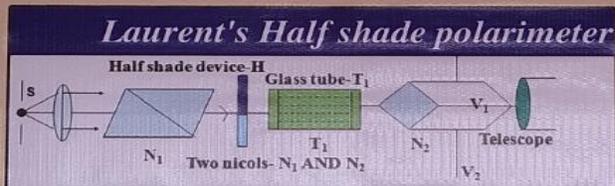
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 Note:
 seminar competition

Department of Physics

National Science Day 2020

“Lorentz Half Shade Polarimeter”

Half Shade polarimeter is an instrument to measure the optical rotation of some solutions



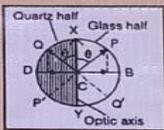
Construction :

It consist of:

- 1.monochromatic source = S, 2.Convex lens = L
- 3.Nicol prism= N_1 (as a polarizer), 4.Half Shade device = H
- 5.Glass tube = T (filled with optical active compound)
- 6.Nicol prism = N_2 (as an analyzer)

Working :

In order to determine specific rotation of substance the tube T is filled with pure water and N_2 is adjusted for equal darkness point. Then position of N_2 is noted.The polarimeter is filled with sugar solution. The position of N_2 again noted. The diff. between two readings will given angle of rotation θ . Hence specific rotation S is determined by using, $S = \frac{\theta}{LC}$



Application: The HSP is used to find the concentration of sugar solution by using the formula, $C = \frac{\theta}{LXS}$





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Darwha Rd, Darwha, Maharashtra 445202, India

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LOCAL 15:50:24 GMT 10:20:24 FRIDAY 02.28.2020 ALTITUDE 293 METER

विज्ञान पूर्णतः अंगिकारल्यास अंधश्रद्धा हद्दपार

डॉ. विलास राऊत : दारव्हा येथील मुंगसाजी महाविद्यालयात राष्ट्रीय विज्ञान दिवस

सकाळ वृत्तसेवा

दारव्हा, ता. २९ : आपण विज्ञान स्वीकारले, पण पूर्णतः अंगिकारले नाही. त्यामुळेच आजही समाजामध्ये अंधश्रद्धा बघायला मिळते. समाजामध्ये वैज्ञानिक दृष्टिकोन निर्माण होण्यासाठी विज्ञान पूर्णतः अंगिकारले पाहिजे. या मधूनच समाजातील अंधश्रद्धा हद्दपार होण्यास मदत होईल, असे विचार डॉ. विलास राऊत यांनी येथे व्यक्त केले.

स्थानिक मुंगसाजी महाराज महाविद्यालयात राष्ट्रीय विज्ञान दिनानिमित्त आयोजित पोस्टर प्रेझेंटेशन कार्यक्रमात प्राचार्य डॉ. विलास राऊत बोलत होते. यावेळी प्रा. डॉ. प्रशांत



दारव्हा : पोस्टर प्रेझेंटेशनचे निरीक्षण करताना मान्यवर.

बागेश्वर, डॉ. के. के. हुरडे, प्रा. कोठेकर, प्रा. माहुरकर, डॉ. नाझिया राशिदी, प्रा. फरकुंदा मिर्झा, प्रा. अरफा इनामदार, प्रा. आदीबा खान, प्रा. शिवानी पाटील, प्रा. नाशित खान आदींची उपस्थिती होती. स्थानिक

मुंगसाजी महाराज महाविद्यालय येथे राष्ट्रीय विज्ञान दिवस साजरा करण्यात आला. राष्ट्रीय विज्ञान दिनानिमित्त आवर्त सारणीच्या मांडणीला १५० वर्ष पूर्ण झाल्याबद्दल महाविद्यालयात पोस्टर प्रेझेंटेशन आयोजित करण्यात

आले होते. विज्ञान विभागाच्या वतीने आयोजित पोस्टर प्रेझेंटेशन कार्यक्रमात विद्यार्थ्यांनी अतिशय उत्फुर्तपणे सहभाग नोंदविला. विद्यार्थ्यांकडून स्पर्धेमध्ये एकूण ५२ पोस्टरस लावण्यात आले. समाजामध्ये वैज्ञानिक दृष्टिकोन निर्माण होण्यासाठी अशा उपक्रमांची नितांत आवश्यकता असल्याचे मत प्रा. प्रशांत बागेश्वर यांनी यावेळी व्यक्त केले. कार्यक्रमाच्या शेवटी विजेत्यांना बक्षीस देऊन सन्मानित करण्यात आले. संचालन रसायनशास्त्र विभागप्रमुख डॉ. नाझिया राशिदी यांनी केले. कार्यक्रमासाठी विज्ञान विभागाचे प्राध्यापक वर्ग, विद्यार्थी व कर्मचारी यांनी पुढाकार घेतला.