

DAY 1, 10 Oct. 2018 Wednesday

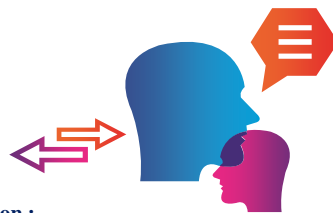
- 09:00-09:30 am : **Inauguration**
- 09:30-11:00 am : **Lecture-1**
Dr. Ajoy Ghatak (IIT, Delhi)
Topic : WHAT IS LIGHT , How light was created at the first place!
- 11:00-11:15 am : **Tea Break**
- 11:15-12:45 pm : **Lecture-2**
Dr. Ajoy Ghatak (IIT, Delhi)
Topic : $E=mc^2$ and its many consequences.
- 12:45-01:45 pm : **Lunch Break**
- 01:45-03:15 pm : **Lecture-3**
Prof. Ashok Kumar Goyal (Delhi University)
Topic : Diffraction of Light
- 03:15-04:45 pm : **Lecture-4**
Prof. Ashok Kumar Goyal (Delhi University)
Topic : Polarization of Light
- 04:45-05:00 pm : **Tea Break**

DAY 2, 11 Oct. 2018 Thursday

- 09:30-11:00 am : **Lecture-5**
Prof. Y. K. Mathur (PDM University)
Topic : Introduction to Special Theory of Relativity
- 11-11:15 am : **Tea Break**
- 11:15-12:45 pm : **Lecture-6**
Prof. Y.K. Mathur (PDM University)
Topic : Difference between STR & General theory of Relativity
- 12:45-01:45 pm : **Lunch Break**
- 01:45-03:15 pm : **Lecture-7**
Prof. Debajyoti Chaudhary (Delhi University)
Topic : Relativistic expression on STR & $E=mc^2$
- 03:15-04:45 pm : **Lecture-8**
Prof. Debajyoti Chaudhary (Delhi University)
Topic : Contration to Length, Mass & Time
- 04:45-05:00 pm : **Tea Break**

DAY 3, 12 Oct. 2018 Friday

- 09:15-10:45 am : **Lecture-9**
Prof. O.P. Thakur (NSIT)
Topic : Introduction to Laser & its practical applications.
- 10:45-11:00 am : **Tea Break**
- 11:00-12:30 pm : **Lecture-10**
Prof. O.P. Thakur (NSIT)
Topic : Fiber Optics, characteristic, applications
- 12:30-01:30 pm : **Lunch Break**
- 01:30-02:30 pm : **Lecture-11**
Prof. Lalit Mohan Manocha (DMSRDE, Kanpur)
Topic : Discussion
- 02:30-03:30 pm : **Valedictory Session**
Distribution of Certificates, Feedback of participants,
Vote of Thanks- Dr. Anil Kumar , Co-ordinator
- 03:30-04:00 pm : **Tea**



Registration :

- There is No registration fee to attend this lecture workshop.
- Lunch and refreshments will be provided to all the participants.
- Only 150 participants will be permitted to register and registration is done on "First Come First Serve" basis.
- Interested students/teachers are requested to fill the Google form using link or QR code on or before 30th September 2018.

For Registration:-

1. Please open the given form link :

<https://goo.gl/MP1vEd>

Or

2. Please scan the below QR Code :-



(Note: Download QR Code Reader from Play Store)



Convener

Dr. Lalit Mohan Manocha, FNA
Dr. Raja Ramanna DRDO Distinguished
Fellow, DMSRDE, Kanpur



Coordinator

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SCIENCE ACADEMIES LECTURE WORKSHOP

On Optics and Special Theory of Relativity

Jointly Organised By
Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences India, Allahabad



Hosted by
Department of Applied Science, Physics
Bharati Vidyapeeth's College of Engg, Paschim
Vihar, New Delhi-110063

Date: October 10-12, 2018
Venue: BVCOE, New Delhi