

Biology Olympiad Exposure Camp (9th – 12th September, 2019)
Schedule

Venue:

Lecture Sessions: Lecture Room G1/G2, Ground Floor, Olympiad Building

Lunch: Canteen, NIUS Building

Lab sessions: Biology Olympiad Lab, First Floor, Olympiad Building

9th September, 2019

9:30 am – 10:00 am: Registration & Welcome

10:00 am – 11:00 am: ‘Introduction to the Science Olympiad Program’
Prof. Anwesh Mazumdar,
National Coordinator, Science Olympiads

11:00 am – 11:30 am: Tea Break

11:30 am – 12:30 pm: ‘The Biology Olympiad Programme’
Prof. Rekha Vartak, Academic Coordinator,
Biology Olympiad Programme

12:30 pm – 1:30 pm: Lunch

1:30 pm – 5:30 pm: Lab Sessions (RV, AR, VG, HC, NK, SS)
(Plant Sciences involving study of plant anatomy in relation to the plant habitat
Animal Sciences with an emphasis on classification systems
Biochemistry including separation techniques and enzyme activity
Ethology ie study of animal behavior using Drosophila melanogaster and the Siamese fighter fish
Genetics involving pedigree analysis using simulated samples and observation of Drosophila mutants)

5:30 pm onwards: Library time

10th September, 2019

10:00 am – 11:00 am: Molecular Biology Lab (*Nucleic acid extraction and agarose gel electrophoresis*) (RV, AR, VG, HC, NK, SS)

11:00 am – 11:30 am: Tea Break

11:15 am – 12:30 pm: Molecular Biology Lab (*continues*)
(RV, AR, VG, HC, NK, SS)

12:30 pm – 1:30 pm: Lunch

1:30 pm – 5:30 pm: Resource Generation Session

11th September, 2019

10:00 am – 11:00 am: ‘Biology Classroom Unplugged: My Introspection as a Biology Teacher’

Prof. B. B. Nath, Former Head

Department of Zoology, Savitribai Phule Pune University

11:00 am – 11:30 am: Tea Break

11:30 am – 12:30 pm: ‘Scaling Laws in the Natural World’

Prof. Vijay Singh,

Centre for Excellence in Basic Sciences, Mumbai University

Former National Coordinator, Science Olympiads

12:30 pm – 1:30 pm: Lunch

1:30 pm – 5:30 pm: Resource Generation Session

12th September, 2019

10:00 am – 11:00 am: ‘The Curious Case of a Biology Teacher!’

Dr. Sasikumar Menon, Assistant Director,

Therapeutic Drug Monitoring Lab, Mumbai

11:00 am – 11:30 am: Tea break

11:30 am – 12:30 pm: Discussion of questions made by participants

12:30 – 1:30: Lunch

1:30 – 4:30: Discussion of questions (contd) and Conclusion

Resource Persons (HBCSE) for lab sessions:

RV: Rekha Vartak

AR: Anupama Ronad

VG: Vikrant Ghanekar

HC: Harsha Chandwani

NK: Neha Khan

SS: Sayali Shelar