DREAMZ™
EDUCATION CENTRE

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Details of Physics Practical of Class XII of 2020-21

1. Experiments will be done according to the given specific dates
2. The data sheet of each of the experiment will be given to the students
3. The questions of the Viva exam will be given to the students
4. All the practical classes will be taken by Mr. Subhadip Ray.
5. The student has to keep the discipline in the lab and not to do any damage of the instruments of the lab. If any student makes any damage of any instrument of the lab, he/she will be penalized for that.

Batch Timings (STARTING FROM DEC 2020)

1. **1st Batch : 2/12/20, 4/12/20, 9/12/20, 28/12/20, 29/12/20 and 30/12/20 A**t 10am
2. **2nd Batch : 2/12/20, 4/12/20, 9/12/20, 28/12/20, 29/12/20 and 30/12/20 A**t 12pm
3. **3rd Batch : 2/12/20, 4/12/20, 9/12/20, 28/12/20, 29/12/20 and 30/12/20 A**t 2pm

Course Fees Details of Physics Practical of Class XII of 2020-21

Total Course Fees	One Time Payment	Installment Payment 1st installment: At time of admission 2nd installment: Before 28/12/2020
Rs. 5000.00	Rs. 4800.00	1st:Rs.3000.00 + 2nd: Rs.2000.00

Syllabus of Physics Practical of class XII

1. To find the specific resistance of a given wire by using meter bridge
2. Verify the combination of resistance in series by using meter bridge
3. Verify the combination of resistance in parallel by using meter bridge
4. To find the resistance of a galvanometer and its figure of merit by the half deflection method
5. To convert a galvanometer of known resistance and known figure of merit in to a voltmeter
6. To compare the emf of two primary cells using potentiometer
7. To find the values of ‘v’ for different values of ‘u’ for a convex lens and hence to find its focal length by plotting the graph between ‘u’ and ‘v’
8. To find the refractive index of a glass slab by using travelling microscope
9. To find the refractive index of liquid by using Convex Lens
10. To draw the V-I characteristic graph of the p-n junction diode in forward bias and hence to find the resistance in forward bias
11. To draw the V-I characteristic graph of the p-n junction diode in reverse bias and hence to find the resistance in reverse bias

Schedule of Practical of CLASS 12 of the session 2020-21

On the Following Dates at 10am [1st Batch]/12pm [2nd Batch]/2pm [3rd Batch]

Day	Date	Experiment
1	**2nd December 2020, Wednesday**	Introduction of the experiments Exp 1: To find the specific resistance of a given wire by using meter bridge Exp 2: Verify the combination of resistance in series by using meter bridge Exp 3: Verify the combination of resistance in parallel by using meter bridge
2	**4th December 2020, Friday**	Exp 4: To find the resistance of a galvanometer and its figure of merit by the half deflection method Exp 5: To convert a galvanometer of known resistance and known figure of merit in to a voltmeter
3	**9th December 2020, Wednesday**	Exp 6: To compare the emf of two primary cells using potentiometer
4	**28th December 2020, Monday**	Exp 7: To find the values of 'v' for different values of 'u' for a convex lens and hence to find its focal length by plotting the graph between 'u' and 'v'
5	**29th December 2020, Tuesday**	Exp 8: To find the refractive index of a glass slab by using travelling microscope Exp 9: To find the refractive index of liquid by using Convex Lens
6 ➢ ➢ **Se**	**30th December 2020, Wednesday**	Exp 10: To draw the V-I characteristic graph of the p-n junction diode in forward bias and hence to find the resistance in forward bias Exp 11: To draw the V-I characteristic graph of the p-n junction diode in reverse bias and hence to find the resistance in reverse bias

- **Students have to select the batch at the time of Admission.**
- **Seats are limited in the Batch.**
- **No students will be admitted if the maximum number of seats is allotted in any batch**
- **No students will be allowed to attend the practical without taking the Admission in Lab Course**