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Details of Physics Practical of Class XI 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 JAN 2021)

1. **1st Batch : 6/1/2021, 12/1/2021, 13/1/2021, 20/1/2021 and 27/1/21021 A**t 12pm
2. **2nd Batch : 6/1/2021, 12/1/2021, 13/1/2021, 20/1/2021 and 27/1/21021 A**t 2pm
3. **3rd Batch [If required] : 6/1/2021, 12/1/2021, 13/1/2021, 20/1/2021 and 27/1/21021 A**t 10am

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 15/1/2021
Rs. 3500.00	Rs. 3300.00	1st:Rs.2000.00 + 2nd: Rs.1500.00

Syllabus of Physics Practical of class XI

1. To find the length, breadth and height of a regular rectangular block by using vernier calipers and hence find its volume
2. To find the radius of a regular sphere by using vernier calipers and hence find its volume
3. To find the internal diameter and depth of a regular cylindrical object by using vernier calipers and hence find its volume
4. To find the diameter of a given wire by using screw gauge
5. To find the thickness of a given sheet by using screw gauge
6. To find the radius of curvature of a spherical convex surface by using the sphero-meter
7. To draw the graph between the normal reaction force and the friction force and hence to find the coefficient of friction between the block and the horizontal surface
8. To plot the 'l-T' and '$l-T^2$' graph of a simple pendulum and to find the effective length of a second's pendulum
9. To find the spring constant of a helical spring by plotting a graph between the load and the extension
10. To find the coefficient of viscosity of a given fluid of known density
11. To find the young's modulus of a given wire [Demonstration only]

Schedule of Practical of CLASS 11 of the session 2020-21

On the Following Dates at 12pm [1st Batch]/2pm [2nd Batch]

Day	Date	Experiment
1	**6th January 2021, Wednesday**	Introduction of the experiments Exp 1: To find the length, breadth and height of a regular rectangular block by using vernier calipers and hence find its volume Exp 2: To find the radius of a regular sphere by using vernier calipers and hence find its volume Exp 3: To find the internal diameter and depth of a regular cylindrical object by using vernier calipers and hence find its volume
2	**12th January 2021, Tuesday**	Exp 4: To find the diameter of a given wire by using screw gauge Exp 5: To find the thickness of a given sheet by using screw gauge Exp 5: To find the radius of curvature of a spherical convex surface by using the sphero-meter
3	**13th January 2021, Wednesday**	Exp 7: To draw the graph between the normal reaction force and the friction force and hence to find the coefficient of friction between the block and the horizontal surface
4	**20th anuary 2021, Wednesday**	Exp 7: To plot the 'l-T' and '$l-T^2$' graph of a simple pendulum and to find the effective length of a second's pendulum
5 ➢ ➢ **S e** ➢ **S**	**27th January 2021, Wednesday**	Exp 8: To find the spring constant of a helical spring by plotting a graph between the load and the extension Exp 9: To find the coefficient of viscosity of a given fluid of known density

- **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**