

J.N COLLEGE, MADHUBANI
Department of Physics

Assignment for Winter Vacation

Class:-XI

- 1. What is elasticity and its concept ? Give its types and applications in real life. Write the types of object on the basis of elasticity.**
- 2. Describe an activity to show that sound is produced by vibration of materials.**
- 3. A spherical object of mass m is released on a smooth inclined plane which is inclined at an angle θ with the horizontal. State whether it will roll or slip. Give reasons in support of your answer.**
- 4. Momentum of a lighter and a heavier mass are equal. Which one of them has a greater kinetic energy ?**
- 5. The artificial satellite does not have any fuel, but even then it remains in its orbit around the earth. Why ?**

Date of submission of assignment: 02-01-2024 (Tuesday)