

Shree M.P.Shah Arts & Science College, Surendranagar
Physics Department
Semester:-1 Assignments - 2019

Assignment:-1

1. Give the name of various types of capacitors and its ring.
2. Discuss air-gang capacitor.
3. State Hook's law and explain modulus of elasticity in detail.

Assignment submitted on 20/07/2019 in your lecture time

Assignment:-2

1. Define scalar and vector.
2. Draw the structures and symbols of various semiconductor devices.
3. Explain various elastic constants.

Assignment submitted may be on 03/08/2019 in your lecture time

Assignment:-3

1. Define conservative force. Show that the work done by a conservative force round a closed path.
2. Discuss the effect of temperature on conductivity of intrinsic semiconductor.
3. State and prove work energy theorem.

Assignment submitted may be on 21/08/2019 in your lecture time

Assignment:-4

1. Explain Zener diode.
2. Define elastic collision. Discuss one dimensional elastic collision and obtain an expression for the final velocity of two colliding bodies.
3. Explain static and dynamic resistance of a diode.

Assignment submitted may be on 14/09/2019 in your lecture time