

Physics Exam 2018

Generated using an automated paper generation system

A project created by Manik and Nagesh

Max Marks : 100

Time : 3 Hours

Section A

Max marks for this section are 4

Q1: What is a diode?

Q2: Give 4 examples of vector quantities

Q3: Explain Gravity in no more than 200 words.

Q4: What do you mean by viscosity?

Q5: Derive the formula for two heavy bodies interacting under gravity in space.

Section B

Max marks for this section are 6

Q1: Explain the phenomena of electricity generation because of magnetism?

Q2: What is the significance of optics in real world?

Q3: Describe and explain Flemings right hand rule.

Q4: Describe Lenz's optical law.

Q5: What is Ionization energy?

Section C

Max marks for this section are 10

Q1: Describe defects in solids, explain types of defects.

Q2: Draw and describe an atom in detail.

Q3: What is the intensity of magnetic field experienced by a magnetic field placed in an perpendicular electric field

Q4: Explain Kirchoff's 3 rules

Q5: What is the Torque experienced by a current carrying loop placed in a magnetic field? Explain.