

# 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 are insulators? Give an Example
- Q2: Draw magnetic field lines for a bar magnet
- Q3: What is a diode?
- Q4: What is NLP?
- Q5: Give 4 examples of vector quantities

## **Section B**

*Max marks for this section are 6*

- Q1: What is Ionization energy?
- Q2: What is the significance of optics in real world?
- Q3: Describe Lenz's optical law.
- Q4: Describe and explain Flemings right hand rule.
- Q5: Explain the phenomena of electricity generation because of magnetism?

## **Section C**

*Max marks for this section are 10*

- Q1: State importance of coherent sources in the phenomenon of interference.
- Q2: Describe defects in solids, explain types of defects.
- Q3: Explain Kirchoff's 3 rules
- Q4: Draw and describe an atom in detail.
- Q5: Who was Issac Newton and why is he important?