



Final Exams : June 2011

Please place on this sheet the contents of your course that you will be examining in your Final Exam. Details are expected. Chapter numbers, section headings and the like. Please type using this template and then email the template to me using all the syntax details fro the PDF filename that I have spelt out in the email that this came attached to.

Teacher : Sami Nass

Subject : Physics 11 SE

Chapter 1: **Electric Current.**

Voltage-Current-Quantity of charge-Power-Energy

Chapter 2: **Sources of energy & their pollution.**

Renewable & non renewable sources.

Transformation of energy.

Chapter 3: **Transformers**

Need for transformers

Use of transformers.

Step up & step down transformers.

Chapter 4: **Electric Bills.**

Calculation of electric bills.

Incremental tariff

Chapter 5: **Mechanical Energy**

Kinetic & Gravitational Potential Energy.

Conservative systems. Conservation of Mechanical Energy.

Non conservative systems. Loss of Mechanical Energy

Chapter 6: **Radioactivity**

Natural & Artificial radioactivity.

Particle & radiation emission.

Soddy's Laws

Half life & Decay of radioactive elements

Activity.

Mass Deficit

Energy released.

Effects of radioactivity.