

Lebanon Evangelical School for Boys and Girls

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Mid Year Exams : February 2011

Please place on this sheet the contents of your course that you will be examining in your Mid Year Exam. Details are expected. Chapter numbers, section headings and the like. Please type using this template and then email the template to me using the following syntax in the Subject header of the email : TaughtSubject : Class. Thus if I were sending details of Maths in 7A the subject of the email would be : "Maths : 7A". Every Class/Subject combination should have a separate email. Thus Bassem will send me about 19 emails!

Teacher : Sami Nasr

Subject : Physics 9B

Chapter 1: **Refraction & reflection of Light.**

Index of refraction.

Total Internal reflection.

Chapter 2 & 3: **Lenses.**

Nature of lenses.

Image & object foci.

Formation of images.

Nature of images (Real & Virtual; Erect or Inverted).

Magnified or Diminished images.

Chapter 5: **DC Voltage.**

Law of Addition of voltages.

Series, parallel & mixed circuits.

Chapter 6: **AC Voltage.**

Settings of oscilloscope. Horizontal & vertical sensitivities.

Types of signals: Sinusoidal, triangular....

Chapter 7: **Voltage of the mains.**

Colour codes of outlets & appliances.

Protection against electrocution. Fuses, Circuit Breakers...

Chapter 8: **Resistors.**

Grouping in series & in parallel.

Plotting Voltage-Current characteristic.

Voltage across resistors.

Joule's Effect.