

## 29. PHYSICAL SCIENCES (Updated February 2023)

### A. MEANS OF ASSESSMENT

Paper 1	3 hours	200 marks (scaled to 150 marks)
Paper 2	3 hours	200 marks (scaled to 150 marks)
School-Based Assessment (SBA)		100 marks

**400 marks**

### B. REQUIREMENTS

#### 1. Examination

- Assessment tasks and questions will be based on the Subject Assessment Syllabus as outlined in Section E of this document.
- There will be two examination papers that will be written on different days.
- A variety of questioning styles will be employed in the final examination with a maximum of 10% of the marks being in the multiple-choice format.

### WEIGHTING OF KNOWLEDGE AREAS

**Table 1 – Physical Sciences Paper I (Physics)**

Content Areas	Approximate Marks (± 10 marks)	Approximate % (± 5%)
Kinematics (Motion in 1D)	50	25
Newton's Laws and Applications of Newton's Laws	30	15
Momentum, Impulse, Work, Energy and Power	30	15
Gravitational and Electric Fields	20	10
Electric Circuits	30	15
Electrodynamics	24	12
Photons and Electrons	16	8

**Table 2 – Physical Sciences Paper II (Chemistry)**

Content Areas	Approximate Marks (± 10 marks)	Approximate % (± 5%)
Quantitative Chemistry	30	15
Chemical Bonding	20	10
Energy Change & Rates of Reactions	20	10
Chemical Equilibrium	25	12,5
Acids and Bases	25	12,5
Electrochemistry	40	20
Organic	40	20

# Ieb Physics Exemplar 2014

**Peipei Pang**



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