

Physics Portions for First Term Examination – Jan, 2023

Year 9 – Year 13

Year 9

SP3 Conservation of energy (3a, 3b, 3c, 3d, 3e, 3f)

SP4 Waves (4a, 4b, 4c, 4d)

SP 5a Ray Diagrams

SP 5c Lenses

Year 10

SP1 Motion (1a, 1b, 1c, 1d)

SP2 Motion and Forces (2a, 2b, 2c, 2d, 2e)

SP3 Conservation of energy (3a, 3b, 3c, 3d, 3e, 3f)

SP4 Waves (4a, 4b, 4c, 4d, 4e, 4f, 4g)

SP 5 Light and electromagnetic Spectrum (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h, 5i)

SP 6 Radioactivity (6a, 6b, 6c, 6d, 6e, 6f, 6g, 6h, 6i, 6j, 6k, 6l, 6m)

Year 11

Paper 1

SP1 Motion (1a, 1b, 1c, 1d)

SP2 Motion and Forces (2a, 2b, 2c, 2d, 2e, 2f, 2g, 2h, 2i)

SP3 Conservation of energy (3a, 3b, 3c, 3d, 3e, 3f)

SP4 Waves (4a, 4b, 4c, 4d, 4e, 4f, 4g)

SP 5 Light and the electromagnetic Spectrum (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h, 5i)

SP 6 Radioactivity (**6a, 6b, 6c, 6d, 6e, 6f, 6g, 6h, 6i, 6j, 6k, 6l, 6m**)

SP 7 Astronomy (**7a, 7b, 7c, 7d, 7e**)

Paper 2

SP 8 Energy - forces doing work (**8a**)

SP 9 Forces and their effects (**9a, 9b, 9c**)

SP10 Electricity and circuits (**10a,10b,10c, 10d, 10e, 10f, 10g, 10h, 10i**)

SP11 Static Electricity (**11a, 11b, 11c**)

SP14 Particle model (**14a, 14b, 14c, 14d, 14e**)

SP15 Forces and matter (**15a, 15b, 15c, 15d**)

Year 12

Topic 1- Working as a Physicist

- 1- Units
2. Estimation

Topic 2- Mechanics

- 2.1 Motion
- 2.2 Energy

Topic 3 - Electric circuits

3.1 Electrical quantities (**3.1-1 to 3.1-5**)

3.2 Complete Electrical circuits

And concepts from relevant practicals will be included.

Year 13

Paper 1

Topic 1 - Working as a Physicist

Topic 2 - Mechanics

Topic 3 - Electric circuits

Topic 4 - Materials

Topic 5 - Waves and particle nature of light

And concepts from relevant practicals will be included.

Paper 2

Topic 1- Working as a Physicist

Topic 6 - Further Mechanics

Topic 7.1 - Electric fields

Topic 7.2 - Capacitors

Topic 9 – Thermodynamics

Topic 10 - Nuclear Radiation

And concepts from relevant practicals will be included.