Physics Separate award Science Revision

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| Paper 1 | Foundation | Not being assessed |
| P1 | Energy changes in a system, and the ways energy is stored before and after such changes Conservation and dissipation of energy | * Domestic uses and safety * Particle model and pressure * Atoms and isotopes * Nuclear fission and fusion |
| P2 | Current, potential difference and resistance  Static electricity |
| P3 | Change of state and the particle model  Internal energy and energy transfers |
| P4 | Atoms and nuclear radiation |
| Required practical | RP2 Investigate the effectiveness of different materials as thermal insulators and the factors that may affect the thermal insulation properties of materials.  RP5 use appropriate apparatus to make and record the measurements needed to determine the densities of regular and irregular solid objects and liquids. |
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| Paper 2 | Foundation | Not being assessed |
| P5 | Forces and their interactions  Work done and energy transfer  Describing motion along a line | * Moments, levers and gears * Forces, accelerations and Newton’s Laws of motion * Forces and braking * Black body radiation * Red-Shift |
| P6 | Waves in air, fluids and solids  Electromagnetic waves |
| P8 | Solar system; stability of orbital motions ;satellites |
| Required practical | RP9 investigate the reflection of light by different types of surfaces and the refraction of light by different substances. |

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| Paper 1 | Higher | Not being assessed |
| P1 | Energy changes in a system, and the ways energy is stored before and after such changes Conservation and dissipation of energy | * Current, potential difference and resistance * Series and parallel circuits * Domestic uses and safety * Particle model and pressure * Atoms and isotopes * Hazards and uses of radioactive emissions and of background radiation * Nuclear fission and fusion |
| P2 | Energy transfers |
| P3 | Changes of state and the particle model  Internal energy and energy transfers |
| Required practical | Energy changes in a system, and the ways energy is stored before and after such changes Conservation and dissipation of energy |
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| Paper 2 | Higher | Not being assessed |
| P5 | Forces and their interactions  Work done and energy transfer  Forces and elasticity  Pressure and pressure differences in fluids  Describing motion along a line  Momentum | * Moments, levers and gears * Electromagnetic waves * Black body radiation * Permanent and induced magnetism, magnetic forces and fields |
| P6 | Waves in air, fluids and solids |
| P8 | Solar system, stability of orbital motions; satellites  Red shift |
| Required practical | RP9 investigate the reflection of light by different types of surfaces and the refraction of light by different substances. |
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