

Physics

SUMMARY OF MOCK EXAM

Paper 1

1 hour 30 minutes

This will be composed of structured questions equating to 50 marks and 10 multiple choice questions. Total number of marks 60.

Content assessed

- The photoelectric effect, including how stopping potential can be measured.
- Graphical representation of motion. Application of Newton's 2nd law and calculations involving SUVAT equations.
- Circular motion.
- Electrical circuit calculations, including resistivity. Use of superconductors
- Stationary waves.
- Young's Modulus, stress-strain relationships.

Paper 2

1 hour 30 minutes

This will be composed of structured questions equating to 50 marks and 10 multiple choice questions. Total number of marks 60.

Content Assessed

- An understanding of internal energy of a system and latent heat calculations.
- Newton's universal gravitational law and an understanding of Kepler's third law. Escape velocity and gravitational field strength calculations
- Electric field strength, Coulomb's Law, work done in an electric field and lines of equipotential.
- Investigating SHM, percentage uncertainties, analysing experimental data and graphical relationships, manipulation of logarithm relationships.

Other Information

We advise you to make good use of your time between now and the mock examination and, where necessary, ask your teacher for help

Please ensure that you review your class notes on each of the topic areas listed thoroughly and that you make use of additional resources, e.g. the revision material uploaded onto TEAMS.

We will be using some lesson time and study sessions to help you prepare, for example, looking at past paper questions and discuss the skills required in answering such questions. You will also have time to practise answering questions in class

If you have any questions that you would like help with please do not hesitate to email us at:

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