Physics (5054)

Revision Notes

Topic-1: Motion, Forces and Energy

1 Physical Quantities and Measurement Techniques

2 Motion

3 Mass, Weight and Density

4 Balanced and Unbalanced forces, Friction and Circular motion

5 Turning effect of forces and Centre of gravity

6 Elastic deformation

7 Momentum

8 Energy, work and power

9 Pressure

Topic-2: Thermal Physics

1 Kinetic particle model of matter

2 Thermal properties of matter

3 Transfer of thermal energy

Topic-3: Waves

1 General properties of waves

2 Light

3 Electromagnetic spectrum

4 Sound

Topic 4: Electricity and Magnetism

1 Electrical quantities

2 Electric circuits

3 Practical electricity

4 Simple magnetism, magnetic fields and Electromagnetic effects

5 Uses of an oscilloscope

Topic-5: Nuclear Physics

1 The nuclear model of the atom

2 Radioactivity

6 Space Physics

1 Earth and the Solar System

2 Stars and the Universe

Topical Question

M.C.Q. **Theory** **Alt. to Practical**

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Topic-1: Motion, Forces and Energy

Topic-2: Thermal Physics

Topic-3: Waves

Topic 4: Electricity and Magnetism

Only topic name

M.C.Q. & Theory

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