



Dawood Public School
Syllabus for Final Examination 2017-18
Physics
Class IX

1. Physical Quantities, Units and Measurement

Content

- 1.1 Scalars and vectors
- 1.2 Measurement techniques
- 1.3 Units and symbols

2. Kinematics

Content

- 2.1 Speed, velocity and acceleration
- 2.2 Graphical analysis of motion
- 2.3 Free-fall

3. Dynamics

Content

- 3.1 Balanced and unbalanced forces
- 3.2 Friction
- 3.3 Circular motion

4. Mass, Weight and Density

Content

- 4.1 Mass and weight
- 4.2 Gravitational fields
- 4.3 Density

5. Turning Effect of Forces

Content

- 5.1 Moments
- 5.2 Centre of mass
- 5.3 Stability

6. Deformation

Content

- 6.1 Elastic deformation

7. Energy Sources and Transfer of Energy

Content

- 7.1 Energy forms
- 7.2 Major sources of energy

7.3 Work

7.4 Efficiency

7.5 Power.

8. Pressure

Content

8.1 Pressure

8.2 Pressure changes

9. Kinetic Model of Matter

Content

9.1 States of matter

9.2 Molecular model

10. Thermal expansion of solids, liquids and gases

Content

- a. Advantages and disadvantages of thermal expansion
- b. Application of thermal expansion