



Dawood Public School
Syllabus for Mid-Year Exam 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