

Physics Syllabus for Bridge Course (CLASS XI)

18th April — 10th May 2016

General Topics / Revision from previous class

① Graphs

(a) Revisiting graphs from chapter on 'motion'.

(b) Developing the idea of plotting graphs for two physical quantities like

(i) Pressure and volume (used in thermodynamics)

(ii) Current and time

(iii) Momentum and speed

(iv) Position-time / Distance-time

(v) Area calculation under any graph and physical quantity represented by it

(vi) Slope in the graph (+ve / -ve)

(vii) Average and instantaneous values

(viii) unit vectors along x, y, z axes.

② S.I unit system


③ Conservation of physical quantities / Dimension

④ Techniques in calculations.

⑤ Movie - Martian - 29th April '16

[synopsis attached]

DRAGSI


(Sanjeev Garg)