

SYLLABUS :-

Solid fuels: Proximate Analysis, Washability Characteristics, Caking Index, Swelling Index, Calorific Value by Bomb Calorimeter.

Liquid fuels: ASTM distillation, Reid vapour pressure (RVP), Gum content (existent), Smoke point, Aniline point, Flash point, Moisture content by Dean & Stark method, Kinematic viscosity by Redwood viscometer, Pour point, Conradson/Ramsbottom Carbon residue.

Gaseous fuels: Orsat analysis, Calorific Value by Junkers calorimeter.