

SYLLABUS :-

Prime movers for mining machinery: IC engine, hydraulic power, pneumatic power; Elements of mechanical power transmission-gears, belt, chain; coupling, clutch and brake. Tunnel boring and road heading machines; Winning machines-surface and underground; Aerial rope ways, Belt conveyors, Rope haulage and Locomotives, Underground man riding systems; Wire ropes and winding systems; Pumps and mine drainage. Maintenance management for mining machinery.