

SYLLABUS :-

Study of I.C. Engine models, Load test on a Petrol engine, Load test on a Diesel engine and Morse test on a multi-cylinder engine. Studies on refrigerant compressors. Experimental observations on a refrigeration test-rig. Performance evaluation of a vapour compression refrigeration system. Pull-down and cycling studies on a cold storage unit. Performance evaluation of an air conditioning system Pressure distribution for flow over a cylinder, measurement of velocity profile in the boundary layer, characteristics of a convergent-divergent nozzle and characteristics of a centrifugal fan.