

ASSIGNMENT 7

1. What is the difference between internal combustion engine and external combustion?
2. Define various terminology for the internal combustion engine.
3. Explain four stroke petrol engine with neat sketch.
4. Explain four stroke diesel engine with neat sketch.
5. The following readings were taken during the test on a single cylinder four stroke IC engine: Cylinder diameter : 270mm Stroke Length : 380mm Mean Effective Pressure : 6bar Engine speed : 250rpm Net load on brake : 1000N Effective mean diameter of brake : 1.5m Fuel used : 10kg/hr Calorific value of Fuel : 44400kJ/kg Calculate: (i) Brake Power (ii) Indicated Power (iii) Mechanical Efficiency (iv) Indicated thermal efficiency.
6. Explain two stroke petrol engine with neat sketch.
7. Give the difference between four stroke IC engine and two stroke IC engine.
8. Give the difference between petrol engine and diesel engine.