

MODULE 14 – PROPULSION

Sl. No.	Topics to be Covered		Level
			B2
14.1.	TURBINE ENGINES		
	a.	Constructional arrangement and operation of turbojet, turbofan, turbo shaft and turbo propeller engines;	1
	b.	Electronic Engine control and fuel metering systems (FADEC).	2
14.2.	ENGINE INDICATING SYSTEMS		
	a.	Exhaust gas temperature/Interstage turbine temperature systems;	2
	b.	Engine speed;	
	c.	Engine Thrust Indication: Engine Pressure Ratio, engine turbine discharge pressure or jet pipe pressure systems;	
	d.	Oil pressure and temperature;	
	e.	Fuel pressure, temperature and flow;	
	f.	Manifold pressure;	
	g.	Engine torque;	
h.	Propeller speed.		
14.3.	STARTING AND IGNITION SYSTEMS		
	a.	Operation of engine start systems and components;	2
	b.	Ignition systems and components;	
c.	Maintenance safety requirements		