

PART A,B & C

ME3451 – THERMAL ENGINEERING

UNIT 1:

- Air Standard Cycle
- Diesel Cycle / Carnot Cycle
- Modified / Reheat & Regeneration

• Otto Cycle

• Brayton Cycle / Rankine Cycle

UNIT 2:

- Critical Pressure Ratio
- Effect of Fuel
- Variation of Efficiency with Pressure Ratio

• Momentum

• Flow of Fluids

• Jet Propulsion

UNIT 3:

• Rocket Propulsion

• Jet Engines

• Turbo Propellers

• Turbofans

• Turbojets

• Turbofans

• Turbofans

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N Colangelo



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