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**Thermal Engineering-II**

**Important 2mark questions**

**Unit I**

1. What is meant by mean effective pressure?
2. Plot the general diesel cycle efficiency as a function of compression ratio for various cut off ratios.
3. State the four assumptions through which a mechanical cycle is modelled into an air standard cycle?

**Unit II**

1. List the main parts of Lubrication system.
2. What are the effects of friction on steam nozzles?
3. What is unit injection system?

**Unit III**

1. Write the advantages of velocity compounding in Impulse type steam turbines.
2. Define coefficient of friction in nozzle.
3. Define the term critical pressure ratio.

**Unit IV**

1. Give the classification of compressor based on movement of piston.
2. Define compressor efficiency.
3. List the effects of inter-cooling in a multi stage compression process.

**Unit V**

1. List two desirable properties of refrigerants.
2. What is stack effect or chimney?
3. What is purging?