#### Unit IV Diesel & Gas Turbine Power Plant

- 1 The thermal efficiency of diesel engines is about
  - a) 30%
  - b) 15%
  - c) 50%
  - d) 70%

Answer: d

Explanation: The thermal efficiency of diesel engines is about 70%.

- advertisement
- 2 The expansion of fuel in a four stroke cycle diesel engine
  - a) starts at 15° after top dead centre and ends at 30° before bottom dead centre
  - b) starts at top dead centre and ends at 30° after top dead centre
  - c) may start and end anywhere
  - d) starts at 15° before top dead centre and ends at 30° after top dead centre

Answer: a

Explanation: The expansion of fuel in a four stroke cycle diesel engine starts at 15° after top dead centre and ends at 30° before bottom dead centre.

- 3 The brake power of a diesel engine, keeping other parameters constant, can be increased by
  - a) increasing the pressure of intake air
  - b) decreasing the density of intake air
  - c) decreasing the pressure of intake air
  - d) increasing the temperature of intake air

Answer: a

Explanation: The brake power of a diesel engine, keeping other parameters constant, can be increased by increasing the pressure of intake air.

- 4 In a four stroke cycle, the minimum temperature inside the engine cylinder occurs at the
  - a) end of suction stroke
  - b) beginning of exhaust stroke

# **Multiple Choice Questions For Diesel Engine Mechanic**

**M Woodhall** 

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