

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%.
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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

Manoj Dole



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