

Thermodynamics Objective Type Questions with Answers Pdf Download

1. Ericsson cycle processes are

- a. two isothermal and two constant pressures
- b. two isothermal and two constant volumes
- c. two isothermal and two isentropic
- d. two adiabatic, constant volume and constant pressure

Ans: A

2. The statement that molecular weight of all gases occupy the same volume at NTP is known as

- a. Dalton's law
- b. Avogadro's hypothesis
- c. First law of thermodynamics
- d. Joule's law

Ans: B

3. A gas turbine works on

- a. Rankine cycle
- b. Carnot cycle
- c. otto cycle
- d. brayton cycle

Ans: D

4. Sterling cycle consists of

- a. two isothermal and two adiabatic processes
- b. two adiabatic and two isentropic processes
- c. two adiabatic and two constant pressure processes
- d. two isothermal and two constant volume processes

Ans: D

5. Diesel cycle processes are

- a. isentropic, isothermal, constant volume, constant pressure
- b. two constant volume, one constant pressure, one isothermal

- c. two isentropic, one constant volume one constant pressure
- d. two constant pressure, one constant volume, one isentropic

Ans: C

6. Free piston engines find application in

- a. compression air supply
- b. mining installation
- c. gas turbines
- d. supercharging reciprocating engines

Ans: C

7. A carburettor is used to supply

- a. diesel + air + lubricating oil
- b. petrol + air + lubricating oil
- c. petrol + lubricating oil
- d. petrol + air

Ans: D

8. The internal energy of an ideal gas is

- a. a function of temperature alone
- b. a function of pressure
- c. a function of volume
- d. both a and b only

Ans: A

9. The shape of the lid of manhole in a boiler is

- a. elliptical
- b. square
- c. rectangular
- d. circular

Ans: A

10. A choke is applied in a car

- a. for increasing speed
- b. for fuel economy
- c. for starting in cold weather
- d. for standing in hot weather

Ans: C

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