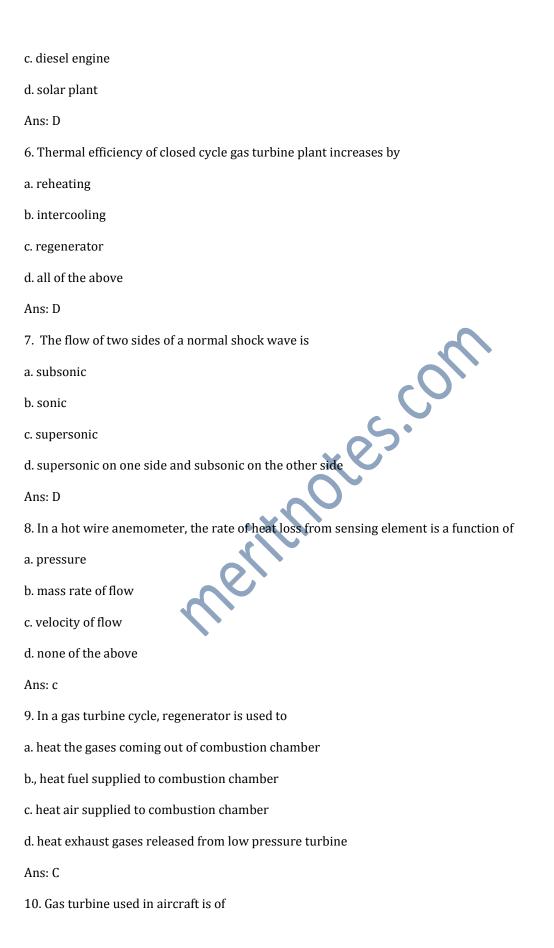
Mechanical Engineering Turbomachines Quiz Questions with Answers Pdf

1. A nozzle used to
a. increase velocity and decrease pressure
b. increase velocity as well as pressure
c. decrease velocity as well as pressure
d. decrease velocity and increase pressure
Ans: A
2. For efficient operation of axial flow compressors and blades are made
a. straight
b. slightly curved
c. aerofoil section
d. forward curved
Ans: C
3. In air compressor performance curve, a surge line represents
a. limit of compressor discharge
b. limit of compressor efficiency
c. limit of stable operation
d. lower critical speed of shaft
Ans: C
4. For a jet propulsion unit, ideally the compressor work and turbine work are
a. unequal
b. equal
c. not related to each other
d. none of the above
Ans: B
5. Which of the following is the smallest and lightest for generating a given amount of power
a. steam power plant
b. petrol engine



- a. open cycle type
- b. closed cycle type with reheating
- c. closed cycle type with reheating and regeneration and intercooling
- d. open cycle type with reheating, regeneration and intercooling

Ans: A

