Self Assessment

1. In a perfect regeneration, the net heat energy stored by regenerator is ____.

2. For a given design and operating parameters, the $Q_c$ is maximum when phase angle is ____.

3. The heat exchange during pressurization and depressurization is ____.

4. Phase shifting mechanisms are used to ____ the phase angle.

5. In a Basic PT Cryocooler, the phase angle is ____.

6. In Phasor Analysis, PT undergoes _______ process.

7. Apart from PT, all other parts undergo ____ process.

8. In _____, double inlet orifice and hot end orifice alter the phase angle.
Answers

1. Zero
2. Minimum
3. Same
4. Minimize
5. 90°
6. Adiabatic
7. Isothermal
8. DIPTC