INTERNAL 1 - QUESTION BANK

1. Differentiate between heat pump and refrigerator.
2. Explain with neat labelled diagram, construction and working of refrigeration system.
3. Explain in detail about methods of refrigeration.
4. Write short note on ozone depletion potential
5. Explain Carnot cycle with diagram.
6. Distinguish between vapour compression cycle and vapour absorption cycle.
7. Explain in detail about reversed carnot cycle.
8. Differentiate between primary and secondary refrigerants.
9. Why in practice a throttle valve is used in vapour compression refrigerator rather than an expansion cylinder to reduce pressure between condenser and evaporator.
10. Name any two secondary refrigerants and its application.
11. **1.5KW**per ton of refrigeration is required to maintain temperature of **-40°C** in refrigeration system which works on reverse Carnot cycle. Find COP.
12. Explain cascade refrigeration system and its application.
13. Write short note on types of refrigerants and properties of refrigerants.
14. Write short note on second law of thermodynamics in related to refrigeration and its interpretation.