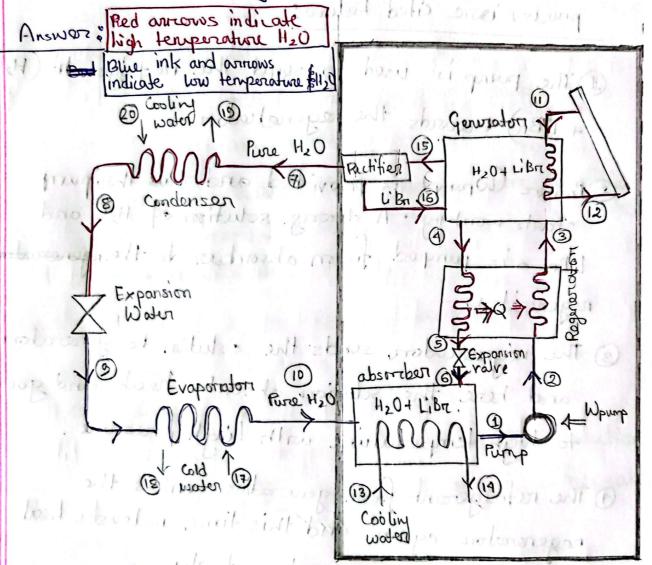
2) Describe the Vapour Absorption Refrigeration process with a schematic diagram.



In case of vapor absorption refrigeration the absorber and the generators does the compression instead of a compression.

steps of the man pitte and all sub properties

· Lotospan

Comprussion.

	Day						
Sub							4
	NAMES OF TAXABLE PARTY.				-	Charles and Control State	Section in print
	Time:	Da	te:	/	/		

## Steps of the vapore absorption refrigetration process corre cited below:

- 1) The pump is used to send the refrigerath (H2O) + LiBr) towards the regenetrator.
- Power (Wpump) is provided and thus the pump starts working. A strong solution of H2O and libr a is pumped from absorber to the regenerator. regenerator.
- 3) The regenerators, sends the solution to generators and here the solution absorbs heat and goes to high temperature with high pressure.
- 1) The refreigerant from generation enters the regenerator again and this time releases heat and leaves the regenerator slowly.
- 6) Then enteres the Expansion valve and goes gets expanded as due to reduction of pressure.
- (6) The expand refrigerant enters the absorber and the pump does the same thing as in step. I is repeated.

- The general or sends the high temperature solution not only to the pregenerator but also to the rectifier which separates liBr and H2O. Pure water is send to the condenser.
- 8 Condenser condenses the H2O and sends it to the Expansionsion valve.
  - DExpand fluid leaves the expansion on throlling value with high low temperature under low pressure and entors the exaporation.
  - 10) Pure water gets evaporated and enters the absorber where exists the high temperature refrigerant (420 and LiBn). Now the pure water with low temperature weakens the solution (4,0+ LiBn), Cools it down and step-1 is repeated thus.
  - Some minor steps are done inside the coils; and absorber and generator:
    - (1) Heat from ORC waste enters the generatori and mixes with the refrigerant (H2D+LiBre).

and Cooking western outers the condenses.

b:				I		I	
	Time:	Date	:	1	1	CNI TRANSI	

- 12) The Some heated liquid leaves the generators and step-11 is repeated on a ORC waste heat is absorbed again:
  - (13) This step is done inside the absorber, evoling water is provided in the au into the absorber which help weakening the salution, and
  - (19) Water leaves the absorber.
  - (15) This step is between the generator and rectifier and wishere H2O and LiBre enters the rectifier and wishere separated. Rectifier sends pure water out towards condenser.
  - (16) The separated libra inside the reactifier enters the Generator again. This is the step where libra is avoided from going outside the compression process.
  - (7) It happens in the evaporator. Catal water enters
    Heat is 'Low pressured vapour will enter.
  - (8) Low pressured vapour leaves the Evaporation
  - (19) Cooling water leaves condenser
  - @ Cooling water enters the condenser.