Dr.K.K.R GOWTHAM EDUCATIONAL INSTITUTIONS-A.P
HEAT-1
Revision

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1 Mark Questions

1. Write an example for warning process..

2. A. Water is used as coolant.

   R: Specific heat of water is high.

   a) Both A and R are correct: R is correct explanation to A

   b) Both A and R are correct R is not correct explanation to A.

   c) A is true, R is false

3. i) Latent heat   [   ] P) j/kg.K

   ii) Specific heat   [   ] Q) K

   R) Cal/gr

   S) Joules

2 Mark Questions

1. In cold countries people wear hat. What is the reason?

2. Is it possible to add heat without changing the temperature of substances? Mention the circumstance under which this happens.

4 Mark Questions

3. 50 gm of water at 20^0C is mixed with 50 gm of water at t^0 C. If the temperature is 30^0 C find t^0 C.

4. Does the surrounding air become warm of cool when vapour phase of H_2O condenses? Explain.

8 Mark Questions

1. Assume that heat is being supplied continuously to 2kg of ice at -5^0C. You know that ice melts at 0^0 C and boils at 100^0C. Continue the heating till it starts boiling. Note the temperature every minute. Draw a graph between temperature and time using the values you get. What do you understand from the graph ? Write the conclusions.