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

# **1 Mark Questions**

- 1. Which of the following phenomena are reverse of one another?
  - A) Evaporation B) Melting & Boiling
  - C) Evaporation & Condensation D) Melting & Evaporation

Answer 5,6 questions with the information given below.

"The process of escaping molecules from the surface of a liquid at any temperature is called evaporation."

- 2. What happens to the temperature of system during evaporation?
- 3. Which is wrong regarding evaporation?

Warming process, Surface phenomenon, takes place at any temperature.

#### **2 Mark Questions**

4. Why water inside a clay pot becomes cool?

### **4 Mark Questions**

5. Consider 4kg of water is at  $100^{\circ}$  C. How much amount of heat is required so convert it into steam?

### **8 Mark Questions**

6. A) Observe the temperature of water and wax at different situations. Let us assume that water and wax are in thermal contact in all situations:

Substance	Situations				
	1	2	3	4	5
Water	75 <sup>0</sup> C	$80^{0}$ C	85 <sup>0</sup> C	20	$30^{0}$ C
Wax	$43^{\circ}C$	333K	85 <sup>0</sup> C	$40^{0}$ C	30K

Answer the following questions from the above table

- i) In which situations heat flows from water to wax?
- ii) In which situations heat flows from wax to water?

7. What are the factors that affect the amount of heat absorbed by a substance? Explain with an activity...