1-Direct Solar energy is used for

(A) Water heating

(B) Distillation

(C) Drying

(D) All of the above

2-The power from the sun intercepted by the earth is approximately

(A) $1.8 \times 10^8$ MW

(B) $1.8 \times 10^{11}$ MW

(C) $1.8 \times 10^{14}$ MW

(D) $1.8 \times 10^{17}$ MW

3-The following is indirect method of Solar energy utilization

(A) Wind energy

(B) Biomass energy

(C) Wave energy

(D) All of the above

4-A liquid flat plate collector is usually held tilted in a fixed position, facing _____ if located in the northern hemisphere.

(A) North

(B) South

(C) East

(D) West
5- The collection efficiency of Flat plate collector can be improved by

(A) putting a selective coating on the plate
(B) **evacuating the space above the absorber plate**
(C) both (A) and (B)
(D) None of the above

6- The efficiency of various types of collectors ______ with _______ temperature.

(A) increases, decreasing
(B) **decreases, increasing**
(C) remains same, increasing
(D) depends upon type of collector

7- Maximum efficiency is obtained in

(A) Flat plate collector
(B) Evacuated tube collector
(C) Line focussing collector
(D) **Paraboloid dish collector**

8- The following type of energy is stored as latent heat

(A) **Thermal energy**
(B) Chemical energy
(C) Electrical energy
(D) Mechanical energy

9- Which of the following type of collector is used for low temperature systems?
(A) **Flat plate collector**

(B) Line focussing parabolic collector

(C) Paraboloid dish collector

(D) All of the above

10-In the paraboloid dish concept, the concentrator tracks the sun by rotating about

(A) One axes

(B) **Two axes**

(C) Three axes

(D) None of the above