

Section - 2

Ans-4 :- The various materials or components used in solar collectors are :-

- (i) Absorber plate
- (ii) Transparent Covers
- (iii) Insulation
- (iv) Box

(i) Absorber plate :-

- Absorber plate is used to grasp and absorb solar radiation.
- The plate is usually metallic (Copper, aluminium or steel) something plastics have been used in some low temperature applications.

(ii) Transparent Covers :-

- These are one or more sheets made of glass for trapping the heat received by the absorber plate.
- It helps in reducing the convective and radiative heat losses.

(iii) Insulation :- It minimizes the heat losses by conduction.

(iv) Box :- It contains the above components and keep them into desired position.

