

[Question-1 Section-6]

Answer

Performance of solar flat plate collector:-

Sunlight passes through the glazing and strikes the absorber plate, which heats up, changing solar energy into heat energy. The heat is transferred to liquid passing through pipes attached to the absorber plate. Absorber plate are commonly painted with selective coating which absorb and retain heat better than ordinary black paint.

Absorber plate usually made up of metal typically aluminium or copper because metal is a good conductor of heat.