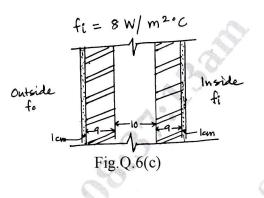


 $f_i = 8W/m^{2\circ}C$ 

1 of 2



(10 Marks)

## **Module-4**

7 Why are shading devices needed? Elaborate the different types of shading devices possible in a building. (20 Marks)

## OR

8 What are the factors that affect indoor air flow in buildings?

(20 Marks)

## Module-5

9 a. What are the ways in which light can be distributed when it falls on a surface? (10 Marks)
b. Derive the relationship between reflectance, absorbance and transmittance, with respect to transparent, translucent and opaque objects. (10 Marks)

## OR

10 Mention five passive design strategies that can be used to design a shelter in Jodhpur. Use sketches to support these. (20 Marks)