

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

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)