Glare control

Daylight factor and its components.

## CBCS SCHEME

USN			18ARC33
Third Semester B.Arch. Degree Examination, Feb./Mar. 2022			
		Climatology	Marks:100
Tin		ms.	
Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.			
		2. Draw neat sketches wherever necessary.	
9		Module-1	wite wood for
1		What are the elements that constitute climate? Briefly explain the tools and u	(20 Marks)
		their measurement.	(20 Marks)
		OR	
2	a.	Explain the characteristics of various tropical climatic zones.	(10 Marks)
2	b.	Make a comparative study of the climatic zones of India.	(10 Marks)
	Ο.	Trials & Company	
		Module-2	-a
3		Explain thermal exchange between a building with the outdoor environment.	(20 Marks)
		OR	and shading
4		Explain the application of sun path diagram in design of building orientation	(20 Marks)
		devices.	(20 1/14/165)
		Module-3	2° .
5		Write short notes on:	
	a.	U value	
	b.	K value	
	c.	Temperature inversion	(20 Marks)
<i>/</i> *,	d.	Time LAG.	(20)
1		OR	(20 3/1-1-)
6		What is "Passive Cooling" in buildings?	(20 Marks)
		Module-4	
7		Write note on:	
	a.	Stack effect	
	b.	Cross ventilation.	(20 Marks)
	pB)	OR	
8	\$ per	Write notes on:	
O	a.	Wind catchers	
	b.	Importance of ventilation.	(20 Marks)
	-	Module-5	
•			
9	0	Write notes on: LUX	(05 Marks)
	a.	LUA "	

OR

(05 Marks)

(10 Marks)

Explain climate responsive design principles to be considered for buildings in "Warm and HUMID" zone. (20 Marks) 10

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.