CBCS SCHEME

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## Third Semester B.Arch. Degree Examination, Jan./Feb. 2021 Climatology

Time: 3 hrs.

Max. Marks: 100

(20 Marks)

ce.		Note: 1. Answer any FIVE full questions, choosing ONE full question from each n 2. Draw neat sketches wherever necessary.	odule.
as malpractice.		20,	
s mal	1	Explain in detail the factors which influence climate.	(20 Marks)
ted a	1	Explain in detail the factors which influence chinate.	(20 Marks)
s blank pages. = 50, will be treated		OR	
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	2	Differentiate between tropical warm and humid and tropical hot and dry climate.	(20 Marks)
ank 1 0, w		Module-2	
ng bla 8 = 5	3	Write short notes on:	
uinir 42+8		a. Special heat	(05 Marks)
eg, 4		b. Thermal comfort indices	(05 Marks)
the r		c. Sol air temperature	(05 Marks)
on writ		d. Time Lag	(05 Marks)
lines		OR OF	
npleting your answers, compulsorily draw diagonal cross lines on the remvealing of identification, appeal to evaluator and /or equations written eg,	4	Explain heat exchange process between building and its surroundings.	(20 Marks)
al ci ore			
agon and /		Module-3	
w di	5	Write short notes on:	
drav alue		a. Conductance	(05 Marks)
rily o ev		b. Resistance	(05 Marks)
ulso eal t		c. U value d. Convection	(05 Marks) (05 Marks)
appo		d. Convection	(03 Marks)
ion,		OR	
swei	6	Explain periodic heat flow.	(20 Marks)
r an enti		Car Car	
you of id		Module-4	
ting ing e	7	What are the methods for achieving natural ventilation in a building?	(20 Marks)
nple veal		OR	
y re	8	Explain the effect of openings on air flow.	(20 Marks)
An Or	U	Explain the effect of openings of all now.	(201120110)
		Module-5	
Note	9	What are the factors which influence illumination quality in building interiors?	(20 Marks)
ant			
port		OR	-4-
III	10	With neat sketches, explain climate design considerations for hot and humid clim	iaie.