(S17)-925



1 | M-70416

	Total No. of Pagal No. of Questions: 09	ges : 02
	B.Architecture (2012 & Onwards) (Sem.–3) CLIMATE AND ARCHITECTURE–I Subject Code: BACH-304 M.Code: 70416 e: 3 Hrs. Max. Ma	rks:60
	TRUCTION TO CANDIDATES: Question Number 1 is COMPULSORY. Attempt any ONE question each from Unit. Attempt FIVE questions in total. Draw sketches where required.	
1.	Write short notes on the following:	2×5=10)
	a) Shadow angles and shadow throws.	
	b) Site Climate.	
	c) Psychometric chart. d) Solar chart.	
	b) Site Climate. c) Psychometric chart. d) Solar chart. e) Bioclimatic chart. UNIT-I	
	UNIT-I	
2.	What are the factors that determine the climate of a place, explain them.	(12.5)
3.	Distinguish between climate and weather. What are the factors which deterglobal climate? Explain them.	rmine the
	UNIT-II	
4.	Explain in detail the design of solar shading devices for different orientations.	(12.5)
5.	State the criteria for layout and building orientation for tropical coastal climate.	(12.5)



UNIT-III

- 6. What are the indices of thermal comfort? Explain them. (12.5)
- 7. Differentiate between effective temperature and corrected effective temperature. How is corrected effective temperature useful in maintaining heat balance? (12.5)

UNIT-IV

- 8. Explain in detail with suitable sketches the design criteria of buildings and human habitation in a composite climatic zone in India as per the NBC. (12.5)
- 9. Compare the characteristic features of an Indian indigenous shelter in a hot and arid climate and in a hot and humid climatic zone. (12.5)

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NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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