B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00464 June, 2017

BICE-009 : BUILDING TECHNOLOGY - II

Time: 3 hours Maximum Marks: 70 Note: Attempt any seven questions. All questions carry equal marks. Write short notes on any two of the following: 1. 10 (a) Daylighting (b) Acoustical Defects (c) Comfort Zone commonly used to building coosting 2. Discuss the thermo-physical properties of building materials. Explain thermal gradient and heat flow through buildings. 10 3. Discuss various fire proof construction methods used for building construction. 10 What are the causes of building failures? How 4. can these failures be avoided? 10

5.	Why is ventilation required? Discuss (a) natural	
	and mechanical ventilation, and (b) calculation of	
	air-conditioning load.	10
	Dint by Point	- 8
6.	Describe the Lumen method and Point-by-Point	
	method for the design of artificial lighting.	10
2007	Discuss various methods of sound insulation	
7.		
	used in the construction of walls, floors and roofs.	10
8.	What are the different types of climates? Why is	
0.	the knowledge of climate important in building	
		10
	technology?	10
9.	Describe the different types of joints used in steel	
J.		
	and concrete frames. Also provide neat sketches	
	to support your answer.	10
10.	Discuss the properties of insulating materials	
	commonly used in building construction.	10