

Vivekananda College of Engineering & Technology, Puttur
 [A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]
 Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08

Rev 1.10

<Civil>

<29/07/2022>

CONTINUOUS INTERNAL EVALUATION - 1

Dept: Civil	Sem / Div: 4 th / A	Sub: Concrete Technology	S Code:18CV44
Date:4/08/2022	Time: 3:00-4:30 pm	Max Marks: 50	Elective:N

Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
PART A				
1 a	What is compaction? What are the different methods adopted to compact the concrete? Discuss any one method.	13	L2	CO2
b	List the different methods of curing? Explain any Two method of curing.	12	L2	CO2
OR				
2 a	What is curing? What is its significance ? Explain any One method	12	L2	CO2
b	Explain the mechanism of action of chemical admixture in modifying the properties of concrete?	13	L2	CO2
PART B				
3 a	Explain briefly the effect of Maximum size of aggregate on strength	10	L2	CO2
b	What do you mean by Strength of Concrete? Explain briefly the factors affecting the Compressive strength of the concrete	15	L3	CO2
OR				

4	a	What do you mean by GEL – SPACE Ratio? Explain the concept of POWERS equation to measure the Gel Space Ratio	10	L3	CO2
	b	Explain briefly the following <ul style="list-style-type: none"> • Bond Strength • Accelerated Curing Test • Relationship between Compressive Strength and Tensile Strength. 	15	L3	CO2

Prepared by: Dr. Ananda V R

HOD