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GIET UNIVERSITY, GUNUPUR – 765022

B. Tech (Third Semester - Regular) Examinations, December – 2022

21BCVPC23002 – Construction Technology

(Civil Engineering)

Time: 3 hrs

Maximum: 70 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is the importance of planning in construction?	Co1	1
b. Differentiate between steel and rcc structures	Co2	2
c. Differentiate between RCC& LCC.	Co2	1
d. Define Characteristic strength of a material .	Co1	2
e. List two important admixtures .	Co1	1

PART – B

(15 x 4 = 60 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. a. Classify pile foundation with neat sketches .	8	Co1	1
b. List all the causes of failures of building with neat sketches .	7	Co2	3
(OR)			
c. List all day to day maintenance of a building .	8	Co3	1
d. Describe various defects in plastering.	7	Co3	1
3.a. Describe the method of construction for marble flooring.	8	Co3	1
b. Describe various properties of hardened concrete .	7	Co1	2
(OR)			
c. Write short notes on self-compacting & high performance concrete	8	Co2	2
d. List all the factors affecting workability .	7	Co2	2
4.a. Describe the importance of form work & the material required for good form work.	8	Co2	3
b. List all the defects in a building .	7	Co1	3
(OR)			
c. Write short notes on DPC .	8	Co2	2
d. Write short notes on building maintenance.	7	Co2	2
5.a. What is heat of hydration ? why curing is done ? Explain at least two methods of curing.	8	Co3	3
b. Describe the role of safety engineer at construction site.	7	Co1	2
(OR)			
c. How to ensure the quality of plastering and brick work?	8	Co2	1
d. List all the annual maintenance of a building.	7	Co1	2

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