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Code No: RT42014C

Time: 3 hours





IV B.Tech II Semester Supplementary Examinations, July/August - 2017 REPAIR AND REHABILITIATION OF STRUCTURES

(Civil Engineering)

Max. Marks: 70

Question paper consists of Part-A and Part-B Answer ALL sub questions from Part-A Answer any THREE questions from Part-B *****

PART-A (22 Marks)

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5	a)	What are mineral and chemical admixtures? Write the advantages and disadvantages	
		in using any two mineral and chemical admixtures in concrete.	[10]
	b)	Write short note on (i) Accelerators (ii) Retarders	[6]
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- 6 a) Discuss in detail the shotcreting methods. Write the advantages and disadvantages of shorcreting.
 (8) Explain the column jacketing method with the help of sketches
 (8)
- 7 a) Explain the in your own words the repair of RCC distressed beams by externally bonded steel plates with neat sketches. [10]
 1) Direction of the repair of RCC distressed beams by externally [10]
 - b) Discuss the preliminary and detailed inspections of concrete structures. [6]