

Roll No.

23424

M.E./M. Tech. 2nd Semester (STRU DGN)

Examination – June, 2013

REPAIRS & REHABILITATION OF STRUCTURES

Paper : MTSD204

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions carry equal marks.

1. Explain the repair techniques adopted for different forms of cracks in Brick Walls. 20
2. Compare the repairing with stainless steel plates and fibre reinforced plastic laminates. 20
3. Explain flexural strengthening of RC beams with externally bonded reinforcement and by concrete encasement. 20

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4. Explain how the water flow through structures are protected from various forms of damages. 20
 5. Discuss in detail the factors to be considered while selecting material for repair & rehabilitation works. 20
 6. List out the patching materials. Write short note on the advantages of polymer mortar and concrete. 20
 7. Explain the corrosion mechanism and how chloride induced corrosion is protected in RC elements? 20
 8. Enumerate the need for resurfacing. What are the techniques used in resurfacing work? 20
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