

## M.Com Valuation Sem-3 Examination

## Maintenance &amp; Repairs of Building Dilapidations (MV 602)

Time : 2-30 Hours]

November-2024

[Max. Marks : 70

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 List the various control measure of corrosion of reinforcement. Briefly explain any two-method available to control the corrosion of reinforcement in concrete. 14

OR

Q.1 (A) Explain chemical compounds of cement? Also state their importance. 07

Q.1 (B) What do you understand by 'Permeability of concrete'? Explain different factors affecting on it. 07

Q.2 Write short note on: 1) Rebound Hammer Test  
2) Ultra Sonic Pulse Velocity Test 14

OR

Q.2 (A) Explain in detail the Damage Assessment Procedure with a flow chart. 07

Q.2 (B) What is meant by grouting? Explain the any two process in detail. 07

Q.3 Explain in detail any two methods of strengthening of RCC structural elements with detail sketch. 14

OR

Q.3 (A) Explain preventive maintenance on steel structures. 07

Q.3 (B) Explain major demolition strategy of structure. 07

Q.4 Enlist different method of cleaning-external surface of building and describe any two in details. 14

OR

Q.4 (A) Discuss the various factors affecting the quality of concrete. 07

(B) Write short note on Polymer concrete. 07

(P.T.O)

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**Q.5**      **Attempt any seven out of twelve.**

**14**

- (1) What is mean by cathodic protection?
- (2) Define setting of cement.
- (3) Define workability.
- (4) What is mean by soundness of cement?
- (5) What is mean by Dilapidations?
- (6) Define NDT test?
- (7) What is mean by carbonation?
- (8) Define distress in RC structures.
- (9) What is mean by pattern cracks?
- (10) List down different types of repairing materials.
- (11) Define Propping and its concept.
- (12) What is meant by FRP rebar?

