



- Notes : 1. Answer **three** question from Section A and **three** question from Section B.
2. Assume suitable data wherever necessary.
3. Illustrate your answer necessary with the help of neat sketches.

SECTION – A

1. a) State the principles of maintenance management. 7
b) Explain property inspection report. 6

OR

2. a) State the agency causing deterioration mechanism. 7
b) Explain maintenance budget estimates. 6
3. a) Explain investigation of defects in building. 6
b) Explain in brief non – destructive tests. 7

OR

4. a) Explain retrospective analysis. 6
b) Explain in brief investigation of dampness. 7
5. a) Explain the techniques for repairs and maintenance. 7
b) State the types of repair materials. 7

OR

6. a) Explain in brief damp proofing of roof & wet areas. 7
b) Explain special precautions to be taken for repairs of building. 7

SECTION – B

7. a) Explain the importance of structural audit. 6
b) Explain common methods of Crack repairs. 7

OR

8. a) Explain the repairs & maintenance of RCC elements. 6
b) Explain prevention of corrosion and its repair. 7
9. a) What do you mean by underpinning? 6
b) Explain repair of Raft slab foundation 7

OR

10. a) Explain cleaning & repairing of wall paneling. 6
b) State the defects in doors, windows & fixtures. 7
11. a) Explain sealing of joints. 7
b) Explain the most common strengthening techniques. 7

OR

12. a) Explain repairs of water supply & sanitary systems. 7
b) Discuss safety precautions in joint sealants. 7
