

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

MVCP-301(C)

M.E./M.Tech. III Semester

Examination, December 2016

Maintenance and Rehabilitation of Structure

Time : Three Hours

Maximum Marks: 70

- Note :** i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Assume suitable data if necessary.

1. Discuss the followings :
 - a) Corrosion Inhibitors
 - b) Corrosion resistance steels
 - c) Cathodic protection
2. Discuss the influence of climate, temperature, chemical, etc. on serviceability and durability of concrete structures.
3. What are the special chemicals for accelerated strength gain.
4. Briefly discuss:
 - a) Ferro Cement
 - b) Expansive cement
5. Discuss the facets of Maintenance.
6. Describe the Assessment Procedure for Evaluation of Damaged Structure.

MVCP-301(C)

138

PTO

[2]

7. Discuss the followings :
 - a) Guniting and Shotcrete Epoxy Injection
 - b) Vacuum concrete
8. Give a case study for engineered demolition techniques.

MVCP-301(C)

139