Dr Gram Tail Syl

Roll	No:	
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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION-September 2017

M. Tech. III/Ph. D. I-Semester

COURSE CODE: 11M1WCE332

MAX. MARKS: 15

COURSE NAME: Advanced in Construction Material

COURSE CREDITS: 03

MAX. TIME: 1.0 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Assume any missing data suitably.

- 1. Define the corrosion according to ASTM manual. Write electrochemical process involve in the corrosion of steel along with volumetric change occurred after completion of the phenomenon.
- 2. Describe the factor accelerating the corrosion along with their cause in a structure. How corrosion affect the serviceability of the structures. Also write the possible structural damage by [6] corrosion incorporating heavy steel reinforcement
- 3. Write the possible prevention measure adopted regarding corrosion for the safe service life of a [4] structure.

CE-24, MTPhD

[5]