

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- October 2017

M.Tech. (CM and SE), 3rd Semester

COURSE CODE: 12M1WCE332

MAX. MARKS:25

COURSE NAME: **Repair and Retrofitting of Structures**

COURSE CREDITS: 03

MAX. TIME: 1.5 Hr

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*Note: All questions are compulsory.*

*Carrying of mobile phone during examinations will be treated as case of unfair means.*

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- Q.1. Discuss in detail the two methods of fire-damage assessment for concrete structures. (5)
- Q.2. Explain any ten desirable properties a good repair material should possess? (5)
- Q.3. Explain the following with respect to PMM/PMC: (6)
- (a) Material used in PMM/PMC,
  - (b) Process of polymer modification.
  - (c) Field of application.
- Q.4. Briefly discuss the modified epoxy systems as repair material. (4)
- Q.5. Explain any ten physical and mechanical properties of polymer modified mortar/concrete (5)

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