JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -1 EXAMINATION- 2024

Ph.D

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| COURSE CODE (CREDITS): 11M1WCE332 | MAX. MARKS: 15 |
| COURSE NAME: ADVANCES IN CONSTRUCTION MATERIALS | |
| COURSE INSTRUCTORS: Dr. Saurav | MAX. TIME: 1 Hour |
| Note: (a) All questions are compulsory. (b) Marks are indicated against each question in square brackets. (c) The candidate is allowed to make Suitable numeric assumptions wh solving problems | erever required for |
| Q1. Using a schematic diagram discuss the effect of surface-active a | gents on deflocculating of |
| cement grains. | [CO1, 5] |
| Q2. What are the critical role of retarders and accelerators in constructi | on materials? [CO1, 5] |
| Q3. Discuss Air-entraining Admixture. What are various factors entrainment? | affecting amount of air [CO1, 5] |