

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: B.ARCH
BRANCH: ARCHITECTURE**

**SEMESTER: VI
SESSION : SP/2019**

SUBJECT : AR6409 CONSERVATION & HERITAGE MANAGEMENT

TIME: 1.30 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 30.
 2. Candidates may attempt for all 30 marks.
 3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. The missing data, if any, may be assumed suitably.
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- Q1 (a) When and why conservation of built structure is required? [2]
(b) Discuss three different conservation approaches with specific examples. [3]
- Q2 (a) List the values associated with architectural conservation. [2]
(b) Discuss the salient features of Venice charter. [3]
- Q3 (a) What are urban blights? [1]
(b) How is cold weather concreting done? [1]
(c) What are the uses of Guiniting? [1]
(d) Classify cracks based on sizes. [1]
(e) Magnitude of a crystal in crack formation depends on _____? [1]
- Q4 (a) Discuss the environmental damages to building due to moisture? [3]
(b) State the remedial actions for the damages as mentioned in 4a. [2]
- Q5 Discuss the complete methodology for conservation of a historic building. Relate the same with one typical example. [5]
- Q6 (a) How are insects that attack building materials identified? [2]
(b) Discuss the process of control of ground termite and drywood termite. [3]

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