

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

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

**SEMESTER: VI
SESSION : SP/2020**

SUBJECT : AR6409 CONSERVATION& HERITAGE MANAGEMENT

TIME: 1.5 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) How do we identify a built structure as a Heritage property? [2]
(b) Differentiate between 'Direct Conservation', Indirect Conservation 'and' Preservation' citing specific examples. [3]
- Q2 (a) Discuss two typical examples of failure of 'Conservation projects'. [2]
(b) Establish the fact that feeding solutions have a direct relationship with cracks in buildings. [3]
- Q3 a. What is poulticing in conservation? [1x5]
b. How is cold weather concreting done?
c. What is the rate of decay of unprotected wood?
d. Classify cracks based on sizes.
e. Define inlay works
- Q4 (a) Discuss the environmental damages to building due to contaminated air. [3]
(b) State the causes of decay due to dissolved salts. [2]
- Q5 Discuss the contents of 'Condition Report' in Heritage building inventory. [5]
- Q6 (a) How are insects that attack building materials identified? [2]
(b) Discuss the process of control of Carpenter's ant and Deathwatch Beetle. [3]

:::::: 27/02/2020 :::::M