

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

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

**SEMESTER : VI
SESSION : SP/19**

SUBJECT: AR6409 CONSERVATION AND HERITAGE MANAGEMENT

TIME: 3 Hours

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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| Q.1(a) | Discuss the points of minimum intervention. | [2] |
| Q.1(b) | Give two examples of built heritage conservation. | [4] |
| Q.1(c) | Discuss the various degrees of intervention. | [6] |
| Q.2(a) | How do you check rising water in absence of DPC? | [2] |
| Q.2(b) | Write about the genesis of conservation movement in India. | [4] |
| Q.2(c) | Discuss the salient features of Athens Charter. | [6] |
| Q.3(a) | What are the man-made causes of decay? | [2] |
| Q.3(b) | Discuss the norms for Grading of buildings. | [4] |
| Q.3(c) | What are the various instrumental techniques for analysis of mortar? | [6] |
| Q.4(a) | What is cold weather concreting? | [2] |
| Q.4(b) | Discuss the various techniques of water-proofing of an old building. | [4] |
| Q.4(c) | An old building is under severe rupture of fabric, though test report says that condition of foundation is good, and rupture is largely found on structural system and filler elements. Discuss the process of conservation you will adopt in this building. | [6] |
| Q.5(a) | Define Integrated Conservation. | [2] |
| Q.5(b) | Briefly discuss two examples of Integrated Conservation. | [4] |
| Q.5(c) | Discuss the process of delineation of Heritage zone in an historic city. | [6] |
| Q.6(a) | What is Reconnaissance Survey? | [2] |
| Q.6(b) | Mention the various aspects of survey for Urban conservation. | [4] |
| Q.6(c) | Discuss the procedures for giving new uses to old buildings citing its benefits. | [6] |
| Q.7(a) | What are the different sources of funding in heritage conservation? | [2] |
| Q.7(b) | Discuss the composition of Heritage Conservation Committee. | [4] |
| Q.7(c) | Give a detailed brief on incentives for development for conservation projects. | [6] |

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