

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATION SP/2023)**

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

**SEMESTER : VI  
SESSION : SP/2023**

**SUBJECT: AR353 CONSERVATION AND HERITAGE MANAGEMENT  
TIME: 02 Hours**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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Q.1(a)	Outline the need for conservation of buildings?	[2]	CO	BL
Q.1(b)	Highlight an example of failure of adoption of correct conservation strategy and its results.	[3]	CO1	BL1
Q.2(a)	Summarize the different types of values associated with heritage structures.	[2]	CO1	BL2
Q.2(b)	Present the following two mentioned "Degrees of intervention" with examples: (i) Reproduction; (ii) Reconstruction	[3]	CO1	BL3
Q.3(a)	Comment on the techniques we apply to check rising water in absence of DPC?	[2]	CO2	BL2
Q.3(b)	Explain the norms for grading of historic buildings / precincts as laid down by Bombay Heritage Act stressing on the aspects of nature, intervention allowed, and procedure followed.	[3]	CO2	BL4
Q.4(a)	Comment on the process of Poulticing and Guniting?	[2]	CO2	BL2
Q.4(b)	Review the process of crystal formation leading to cracks in masonry.	[3]	CO2	BL5
Q.5(a)	Distinguish the causes of damage to cultural property due to solar radiation and human interaction.	[2]	CO2	BL4
Q.5(b)	Build a relation chart to assimilate the internal causes of decay in heritage buildings.	[3]	CO2	BL6

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