

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

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

**SEMESTER : VI
SESSION : SP/2024**

SUBJECT: AR352 VERNACULAR ARCHITECTURE

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 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)	How do the factors of Climate and Culture contribute in shaping the vernacular architecture of a region? Discuss with examples.	[5]	CO CO1	BL Understand
Q.1(b)	Evaluate the significance of Vernacular architecture in today's world.	[5]	CO2, CO5	Interpret
Q.2(a)	Identify the architectural features of the Haveli layout of the Rajput community in Rajasthan in response to their socio-economic and cultural background.	[5]	CO2, CO3	Analyse
Q.2(b)	Critique the role of Marwari community and their influence on Havelis of Rajasthan, explaining the socio-economic role of the community in the region.	[5]	CO2, CO3	Evaluate
Q.3(a)	Identify the three bio-climatic zones of north-east India. List the unique features of a typical 'Assam type' house.	[5]	CO2, CO3	Evaluate
Q.3(b)	For any Tribal community of Jharkhand, evaluate the following with respect to social, geographical, economic, cultural and local climatic conditions <ul style="list-style-type: none">• Housing layout• Usage of material and technology• Built spaces (social and functional)• Architectural features	[5]	CO2, CO3	Evaluate
Q.4(a)	Enumerate the limitations affecting the building in the hilly terrain of North India, and Identify the Passive solar design features prevalent in North India.	[5]	CO4, CO5	Analyse
Q.4(b)	Evaluate the role of Vernacular architecture practices in North India with respect to Disaster Management emphasizing the earthquake prone areas.	[5]	CO3, CO4	Evaluate
Q.5(a)	Identify the architectural elements of the traditional settlement of Andhra Pradesh which highlight the positive influence of the built form and natural resources available.	[5]	CO3, CO4	Apply
Q.5(b)	Enumerate the traditional water harvesting techniques in the South India.	[5]	CO3, CO4	Evaluate

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