

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

**CLASS: B.Arch
BRANCH: Architecture**

**SEMESTER : 1st
SESSION : MO/2025**

SUBJECT: AR103_HISTORY OF INDIAN 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) | Differentiate between Prehistoric and Historic Architecture with examples. Include sketches showing structural differences in materials and construction techniques. | [5] | CO
CO2,
CO4 |
| Q.1(b) | Discuss the transformation of wooden forms to stone in Vedic, Buddhist, and Ashokan Architecture with sketches of structural details and ornamental elements. | [5] | CO1,CO2
CO4 |
| Q.2(a) | Explain the Vedic Period dwelling units and Sarvatobhadra and Padmaka town planning with plan layouts and grid patterns. Explain the difference between the two types of Planning. | [5] | CO1,
CO2,
CO4 |
| Q.2(b) | With sketches compare Gupta, Orissan, and Khajuraho temples with plans and elevations of one representative temple from each group. | [5] | CO1,CO2
CO4 |
| Q.3(a) | Describe the salient features of Dravidian Temple Architecture and analyze the Brihadeshwara Temple, Tanjore with plan, elevation, and section drawings. | [5] | CO2,
CO3 |
| Q.3(b) | Elaborate on types of ornamentation and aesthetics in Hindu temple structures with sketches of ornamental elements. Explain the above in context of Meenakshi Amman Temple. | [5] | CO1,CO2
CO4 |
| Q.4(a) | Analyze with sketches the architectural features of Quwwat-ul-Islam Mosque and Alai Darwaza with site plan of Qutb Complex showing structural layout. | [5] | CO1,CO2
CO4 |
| Q.4(b) | Explain the construction of domes, arches and landscaped gardens in Indo-Islamic Architecture with sectional sketches for examples from Mughal Architecture. | [5] | CO1,
CO3,
CO5 |
| Q.5(a) | Discuss through sketches, the architectural features of Buland Darwaza, Fatehpur Sikri with elevation and plan drawings showing proportions and decorative treatment. | [5] | CO1,
CO3,
CO5 |
| Q.5(b) | Analyze Indo-Saracenic Architecture and describe the architectural features of Rashtrapati Bhavan with plan and elevation sketches showing Indian and Western design elements. | [5] | CO1,CO2
CO4 |

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