

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

CLASS: BARCH
BRANCH: ARCH.

SEMESTER : I
SESSION : MO/18

SUBJECT: AR101 PRINCIPLES OF 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) Explain in detail the contribution of architecture towards culture and society. Give two examples from at least 2 distinct time-periods from Indian history. [5]
- Q.1(b) Explain the architectural design process in detail. [5]
- Q.2(a) Explain the role of circular and triangular forms in architecture giving at least two examples of each. [5]
- Q.2(b) Explain how symmetrically, and asymmetrically balanced buildings are used in architecture. Give appropriate examples of both being used in architecture. [5]
- Q.3(a) With proper sketches distinguish between orthogonal and radial grids as used in architectural grids. [5]
- Q.3(b) How did architecture and building-materials undergo massive changes with Industrial-revolution. Explain in detail. [5]
- Q.4 How does climate and locally available building-materials affect the architecture of a region. Explain in detail with appropriate examples. [10]
- Q.5(a) Outline the architectural-thinking, style and work of Frank Lloyd Wright. Give examples of his most famous works. [5]
- Q.5(b) Outline the architectural-thinking, style and work of Mies Van Der Rohe. Give examples of his most famous works. Write the famous saying in architecture that he coined. [5]

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