

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

**CLASS: BARCH
BRANCH: ARCHITECTURE**

**SEMESTER: IV
SESSION : SP/2019**

SUBJECT : AR4403-CONTEMPORARY ARCHITECTURE

TIME: 1.5 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 30.
 2. Candidates may attempt for all 30 marks.
 3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. The missing data, if any, may be assumed suitably.
-

- Q1 (a) What do you understand by a “Square”? Explain briefly and give examples for- [2]
i) Grouped Square
ii) Closed Square
(b) Give the planning aspects of “Baroque Planning”. Explain briefly the effects in- [3]
i) The Palace of Versailles
ii) Planning of Karlsruhe, Germany.
- Q2 (a) Give the salient architectural practices of “Henri Labrouste”. Explain about the [2]
architectural features of Library of Saint Genevieve, Paris, France.
(b) What were the advancements in architecture after the “Industrial Revolution”. Explain [3]
the architecture of-
i) The Crystal Palace
ii) Gallerie des Machines
- Q3 (a) What were the salient architectural features of the Art Nouveau Style? Give example two [2]
primary architects of this style.
(b) Explain the effects of architecture due to construction with Reinforced Cement Concrete [3]
and Ferrocement. Explain with a project of Tony Garnier and Auguste Perret.
- Q4 (a) Explain about the concepts of Art Nouveau Style used in Hotel Tassel by Victor Horta. [2]
(b) Explain about the architectural features of Antonio Gaudi’s Buildings- [3]
I) Casa Batllo
II) Casa Vicens
- Q5 (a) Explain about context of “Balloon Frame” construction in America. What were the effects [2]
in architecture due to Balloon Frame construction.
(b) Explain about the salient architectural features of Chicago School of Architecture. [3]
Explain how it evolved and give names of atleast 3 architects under Chicago School of
Architecture.
- Q6 (a) Explain about the architectural principles of Louis Sullivan. Explain his principles with [2]
one of his buildings.
(b) What do you understand by Organic Architecture? Explain about the concepts of Organic [3]
Architecture in two buildings of Frank Lloyd Wright.