

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

CLASS: B.ARCH
BRANCH: ARCHITECTURE

SEMESTER : 3rd
SESSION : MO/2025

SUBJECT: AR203 CONTEMPORARY ARCHITECTURE

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)	Examine how iron and glass construction techniques influenced 19th-century European architecture. Illustrate with one example outside France.	[2]	CO CO1, CO2, CO4
Q.1(b)	Evaluate the architectural advancements brought by the Industrial Revolution . Compare the architectural features of The Crystal Palace and Gallerie des Machines in terms of material usage, scale, and construction technique.	[3]	CO2, CO3
Q.2(a)	Explain the architectural transformations due to the introduction of Reinforced Cement Concrete and Ferrocement .	[2]	CO1, CO2, CO4
Q.2(b)	Describe the salient architectural practices of Henri Labrouste . Analyze how these practices are reflected in the Library of Saint Genevieve, Paris .	[3]	CO1, CO2, CO4
Q.3(a)	Identify the salient architectural features of the Art Nouveau Style . Apply your knowledge by citing the works of two primary architects of this style.	[2]	CO1, CO2
Q.3(b)	Explain the design concepts of Art Nouveau Style in Hotel Tassel by Victor Horta.	[3]	CO1, CO3, CO4
Q.4(a)	Compare and contrast the architectural features of Casa Batlló and Casa Vicens by Antonio Gaudí . How do these projects reflect his evolving design philosophy.	[2]	CO1, CO3, CO5
Q.4(b)	Explain the context and development of Balloon Frame construction in America. Analyze the salient architectural practices of HH Richardson in America.	[3]	CO1, CO2, CO4
Q.5(a)	Discuss the salient architectural features of the Chicago School of Architecture . Explain its evolution and identify at least three key architects associated with it.	[2]	CO1, CO3, CO5
Q.5(b)	Discuss how the Chicago School's skyscraper innovations influenced 20th-century global architecture . Evaluate with at least two examples from outside the USA.	[3]	CO1, CO3, CO5

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