

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

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

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

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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			CO	BL
Q.1(a)	How can the architect's role have a positive impact on society? Explain with an example	[5]	1	Apply
Q.1(b)	What role does the Council of Architecture have over architects' practice in India?	[5]	1	understand
Q.2(a)	Mention at least three principles of organization of form and space.	[5]	2	remember
Q.2(b)	Discuss the place-based relation and mention its attributes in the biophilic architecture.	[5]	2	understand
Q.3(a)	What are the prefabrication advantages in today's construction industry?	[5]	3	understand
Q.3(b)	What is Le modular? How was the concept invented? Write the equation of the Fibonacci series.	[5]	3	remember
Q.4(a)	How do the lifestyle and nuclear family concept determine the architecture in modern times?	[5]	3	Apply
Q.4(b)	Discuss the design layout favourable for a composite climate.	[5]	3	analyse
Q.5(a)	Discuss the characteristics of Post modernism architectural style. Name at least three architects associated with the post-modern style.	[5]	2	analyse
Q.5(b)	Discuss the philosophy of Charles Correa and his approach to postmodern Indian architecture.	[5]	2	understand

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