

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

CLASS: B.ARCH
BRANCH: ARCHITECTURE

SEMESTER : I
SESSION: MO/2022

SUBJECT: AR101 PRINCIPLE 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)	Who illustrated the concept of Le Modular? Write about the Fibonacci series with the equation.	[5] A	Remember
Q.1(b)	Discuss at least five of the advantages and disadvantages of prefabrication.	[5] A	Analyse
Q.2(a)	What is Biomimicry? What kind of approach did an architect take to mimic the lotus flower in the Lotus temple structure?	[5] B	Understand
Q.2(b)	What are the elements of design? Design a composition using four geometric figures to create symmetry.	[5] B	Create
Q.3(a)	What is design? How a project is built?	[5] D	Understand
Q.3(b)	Who is an Architect? Elaborate education in architecture. .	[5] D	Understand
Q.4(a)	Explain the socio-culture factor impact on architecture.	[5] C	Remember
Q.4(b)	Factors of climate are divided into two sets of variables. List the variables.	[5] C	Understand
Q.5(a)	In which year B V Doshi won the Pritzker prize? Name at least four buildings built by Doshi.	[5] E	Remember
Q.5(b)	Discuss the characteristic of Post-modern architecture. Name at least four notable architects associated with the post-modern architecture style.	[5] E	Understand

::::::15/03/2023::::::M