	Reg. No. :	T HAS			0204
Kis and instant	Question Par	er Cod	e:502	235	
B.E./B.Tech	Civil l CE 6016 – PREFAB	h Semester Engineering		RES	(d
Cime : Three Hou	rs			Maximum: 100 M	Marks
	Answer	ALL questions	s.		
	P	ART - A		(10×2=20 M	arks)
1. What is 'Mod	ule' in Modular coordina	tion?			
2. List out the components.	different techniques in	volved in the	product	ion of prefabricate	d
3. Compare the b	enefits of shear wall over	the convention	nal load b	Doscribe handlest	У
4. How the large	panel system of constru	action is classi	fied?		
5. For a precast	structure, is joint flexib	ility needed. J	ustify you	r answer.	
6. Write a short	note on Disuniting of st	ructures.		on adjacent fi	
	connect a precast colum		foundati	on 2	
	between rigid joint and	hinged joint ii	ı prefabri	cated construction.	
9. Define-abnor	nal loads.				
0. Distinguish b	etween intensity and ma				
N	2 (4)				

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	PART – B (5×16=80 Ma	arks)
11. a)	 i) Discuss the need for prefabrication in construction industry. ii) Explain the principles involved in prefabrication and state its limitations. 	(8)
	(OR)	
b)	Discuss the important aspects to be taken for consideration while during production, tansportation and erection of precast elements.	(16)
12. a)	Explain in detail about the large panel construction and state its merits and demerits. $$	(16)
	(OR)	
b)	Discuss the various factors which influence the response of precast structural components.	(16)
13. a)	Illustrate the design of cross section based on efficiency of the materials.	(16)
	(OR)	
b)	i) Explain the disuniting of structures.	(12)
	ii) What are the precautions should be taken during disuniting of structures ?	(4)
4. a)	Describe briefly the ductility of joint and give the recommendations to design a ductile joint in precast structures.	12-0-22
	(OR)	(16)
b)	i) List out the general recommendations for the design of an expansion joint.	(12)
	ii) State the advantages and applications of an expansion joint.	(4)
15. a)	Discuss the codal provisions to calculate the equivalent design load when it is subjected to earthquake loading.	
	व्यवस्था अस्ति । विद्याना विद्यालयों सा विद्यान , व्यक्तिया विद्या विद्यान । विद्यान विद्यान विद्यान । विद्यान	(16)
b)	(OR)	
	Briefly explain about the different types of progressive collapses which occurs in the multistorey building with neat sketches.	
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