(Time	:: Three Hours)	/larks: 50
	N. B. 1. Question no. 1 is compulsory	2000
N. C.	2. Attempt Any Three Questions from remaining Five Questions	200
S. S.	3. Draw neat sketches and give illustrations wherever necessary	- CA.
Q.1	An Entrance porch of Five Star Hotel admeasures 12 M X 12 M. The porch is supported by	
Q.1	1200mm dia. R. C. C. Column Grid. The slab for porch is two-way waffle / ribbed floor. Giv	7 /
SEL	details to explain construction.	Niao.
	a. Plan of two-way ribbed floor for the canopy. Scale 1:50 showing reinforcement detailsb. Detail part section of Two-Way ribbed floor to scale 1:10	(10 (10
		37
Q.2	Explain with the help of neat sketches:	109
	a. Terracotta units in Hollow Slab	(05
	b. Castone Floor units in Hollow Slabs.	(05
		9
Q.3	Explain Diagrid floor for a free-standing pavilion of size 24 M X 24 M.	105
	a. Draw key plan to scale 1:100b. Reinforcement details of Diagrid Beams and Edge Beams to scale 1:20	(05
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Q.4	a. Explain with the help of neat sketches One-way ribbed floors.	(05
	b. Explain structural use of stiffening beam in one-way ribbed floor.	(05)
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Q.5	Explain with the help of neat diagrams reinforcement details of Flat slabs with respect to:	8
Ely .	a. Flat Slab with Drop Panelb. Flat Slab with Drop Panel and Capital	(05
	AN AN AN AN AN AN AN AN AND AND AND AND	33
Q.6	Explain advantages and Disadvantages of precast R. C. C. construction technique.	(10
9.9	Explain duvantages and Disdayantages of precast it. e. c. construction technique.	109/40
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