Q. P. Code: 13571

CBS	SGS 80 Marks	3 Hours	
N. E			
	2. Answer any three questions out of remaining		
	3. Assume any data, if required and state them clearly		
	4. Attempt sub questions in order		
	5. Illustrate answer with neat sketches wherever required		
	6. Figures to the right indicate full marks.		
	1 Write short notes on any four :-		20
	a) Load Bearing and Frame Structure		
	b) Grades of cement		
	c) Properties of construction materials		
	d) Pointing		
	e) Water Proofing materials		
2.	a)Explain under reamed pile foundation with neat sketch.		[5]
2.	b) Explain manufacturing process of clay bricks	1	[10]
	c) Give the details of 21/2 wall constructed in Double Flemish Bon	d	[5]
	and the second s		
3. (a) Mention the experiments performed in laboratory on tiles and cent	ient? Explain any one	171
	experiment (either of tile or of cement) in detail.		[/]
(b) Compare paints & varnishes.	1:tweeting	[5]
(c) Enumerate (any ten) ferrous and non ferrous metals and alloys us	ed in construction	[08]
	Explain the use of aluminium and steel as construction materials		lool
4.7	a) List out the various types of glasses and state their properties & us	ses in construction.	[7]
4. (b) What is form-work? Which are the forces acting on form-work?		[5]
	Explain the defects in timber with neat sketches		[8]
(0	Explain the defects in thines with hear		
5.	(a) Sketch the cross-section of lean to roof truss and name the various	ous members in it.	[6]
-	(b) Explain the field tests performed to find the quality of any two	construction	
	materials		[6]
	(c) Sketch the cross-sections and elevations of:		[8]
	(i) Needle or cantilever scaffolding (ii) Un-coursed Randon	1 Rubble Masonry.	
1			[8]
6.	(a) Define sound insulation. Explain acoustical defects		[12]
1	(b) Write short notes on (any three):		11
	(i) Plastering		
1	(ii) Ventilation		
	(iii) Flooring materials.		
	(iv) Hydraulic Lime		