Seat	
No.	

[5057]-202

•	•	_					
		S.E. (Civil) (I Sem.) EXAMINATION, 2016					
		BUILDING TECHNOLOGY AND MATERIALS					
(2012 PATTERN)							
Time	: T	wo Hours Maximum Marks : 50	0				
<i>N.B.</i>	:	(i) Neat diagrams must be drawn wherever necessary.					
		(ii) Figures to the right indicate full marks.					
		(iii) Your answers will be valued as a whole.					
1.	(a)	Define settlement. Explain the functions of foundation. [6	1				
	(<i>b</i>)	Write short notes on:	1				
		(i) Formwork for plinth beam					
		(ii) Composite masonry.					
		Or					
2.	(a)	Differentiate between strap footing and mat foundation. [6	1				
	(<i>b</i>)	Write short notes on:]				
		(i) Flemish bond					
		(ii) Formwork.					
3.	(a)	State functional requirements of flooring. Draw neat and labelled	d				

3. (a) State functional requirements of flooring. Draw neat and labelled sketch of queen post truss. [6]

	(<i>b</i>)	Write short notes on:	3]
		(i) Arches in monumental buildings	
		(ii) Dormer window.	
		Or	
4. (a) State and write salient features of any six flooring		State and write salient features of any six flooring tiles available	e.
		in market.	3]
	(<i>b</i>)	Explain the following with sketches:	3]
		(i) Extrados	
		(ii) Intrados	
		(iii) Narmadi	
		(iv) Barrel bolt.	
5.	(<i>a</i>)	Define circulation. State modern means of circulation. Explai	n
		any one.	7]
	(<i>b</i>)	Explain the following with sketches:	3]
		(i) Dots in plastering	
		(ii) Pitch	
		(iii) Riser.	
		Or	
6.	(<i>a</i>)	Write short notes on:	3]
		(i) Defects in Painting	
		(ii) Ramps.	

	(<i>b</i>)	Comment on location of staircase in public building. Explain	n
		defects in plastering. [7	7]
7.	(<i>a</i>)	Define timber. Write down requirements of building timber. [7]	"]
	<i>(b)</i>	Write short notes on:	;]
		(i) Green building materials	
		(ii) Safety measures at tunnel site.	
		Or	
8.	(<i>a</i>)	Define seasoning of timber. Explain any two methods of seasonin	g
		of timber.	;]
	(<i>b</i>)	Write short notes on:	7]
		(i) Eco-friendly materials	
		(ii) Glass	
		(iii) Gypsum.	