$6 \times \frac{1}{2} = 3$ 

 $1\frac{1}{2} + 1\frac{1}{2}$ 

[ Contd...



## 4224

## **BOARD DIPLOMA EXAMINATION, (C-14)**

MARCH / APRIL - 2019

## DCE - III SEMESTER EXAMINATION CONSTRUCTION MATERIALS

Time: 3 Hours]			[Total Marks : 80			
			PART - A	3×10=30		
Instructions: (1) (2)		` /	Answer ALL questions.  Each question carries THREE marks.			
		(3)	Answer should be brief and straight to and shall not exceed five simple senter	-		
1	State the physical classification of rocks with one $3 \times \frac{1}{2} + 3 \times \frac{1}{2}$ example for each.					
2	Mention any three uses of refractory bricks.					
3	State any three characteristics of good tiles. $3\times$					
4	Write short notes on : (a) porcelain tiles, $1\frac{1}{2}+1\frac{1}{2}$ (b) Stone ware pipes.					
5	State the chemical composition of Portland cement. 3					
6	Define the	term n	nortar and list different types of mortar.	$1+\frac{1}{2}\times4$		
7	Explain the	terms	: (a) Workability (b) Hydration of ceme	ent. $1\frac{1}{2} + 1\frac{1}{2}$		
8	State any si	x uses	of paints.	$6 \times \frac{1}{2} = 3$		

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List any six methods of seasoning of timber.

Write short notes on : (a) Plywood, (b) Eco board.

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 $10 \times 5 = 50$ 

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Instructions: (1)			Answer any <b>FIVE</b> questions.					
		(2)	Each question carries TEN marks.					
		(3)	Answer should be comprehensive and the crite for valuation is the content but not the leng the answer.					
11	Exp	lain any ten cl	haracteristics of good building stones.	10				
12	Desentation (a) (b)	1						
13	List	t and explain various types of tiles. 1+9						
14	-	Explain the method of manufacturing of cement by dry orocess with flow diagram.						
15	Desentation (a) (b)							
16	(a) (b)	What is water-cement ratio and list any four factors affecting water cement ratio. Write any five advantages of ready mix concrete.						
17	Exp	Explain about :						
	(a)	n) French polish						
	(b)	Enamel paint	ts					
18	(a)	Describe the	method of kiln seasoning of timber.	5				
	(b)	Mention the	types of varnishes and their uses.	2+3				
			<del></del>					

PART - B

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