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Co	ode No: R21012 R10	SET - 1
Tii	II B. Tech I Semester Regular Examinations, March – 20 CONSTRUCTION MATERIALS AND MANAGEMEN (Civil Engineering) me: 3 hours	014 NT Max. Marks: 75
	Answer any FIVE Questions	
	All Questions carry Equal Marks	
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1.	Discuss the geological classification of rocks.	(15M)
2.	a) Explain about Flemish bond with neat sketches.	
	b) What is seasoning of timbers and why is it done?	(7M+8M)
3.	a) Explain the process of manufacturing fat lime?	
	b) Enumerate the laboratory tests for cement and describe any two of them	(8M+/M)
4	a)Write about i) types of arches ii) varnishes	
ч.	b) Discuss the reasons for the causes of defects in painting work.	(8M+7M)
5.	Write short notes on: i) Effect of moisture on aggregates ii) Properties of good coarse aggregate iii) Fineness modulus iv) Alkali-aggregate reaction	(3M+4M+4M+4M)
6.	Write about functions and applications of Geosynthetics.	(15M)
7.	a) Write about mile stone charts and bar charts?	
	b) Define an 'event' and an 'activity'. Differentiate clearly between the tw	o. (/M+8M)
8.	What do you understand by frequency distribution? How do you determine ii) variance and iii) standard deviation from the frequency distribution?	e i) most likely time, (15M)

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Cod	de No: R21012 <b>R10</b>	SET - 2
	II B. Tech I Semester Regular Examinations, March – 2 CONSTRUCTION MATERIALS AND MANAGEME (Civil Engineering)	2014 ENT
Tim	he: 3 hours	Max. Marks: 75
	Answer any <b>FIVE</b> Questions All Questions carry <b>Equal</b> Marks	
1.	a) Describe the process of blasting.	
	b) What are the precautions to be taken in the process of blasting?	(10M+5M)
2.	a) Write about Rubble & Ashlar masonry with neat sketches.	
	b) Write about fiber reinforced plastics.	(8M+7M)
3.	a) Explain the classification of limes.	
	b) Explain the soundness test	(8M+7M)
4.	a) Write about different trussed roofs.	
	b) What are the differences between paints, varnishes and distemper?	(8M+7M)
5.	What is alkali-aggregate reaction? What are the factors which affect thi	s reaction and how can
	this reaction be controlled?	(15M)
6.	Write about tests on geogrids and geotextiles.	(15M)
7.	Describe various phases of project management.	(15M)
8.	What is meant by probability distribution curve? Differentiate cle	early between normal
	probability distribution curve and beta distribution.	(15M)

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Code No: R21012		<b>(R10)</b>		(SET - 3)
Tin	II B. Tech I CONSTRU	Semester Regular Exa UCTION MATERIALS (Civil Enginee	minations, March – 2014 S AND MANAGEMENT ring)	Max. Marks: 75
		Answer any <b>FIVE</b> ( All Questions carry <b>E</b>	Questions <b>qual</b> Marks	
1.	a) Compare clamp-burnin	g with kiln-burning.		
	b) What are the tests to wl purposes?	uich a stone should be su	bjected before it is selected	for building (8M+7M)
2.	a) Write about different ty	pes of masonry.		( <b>9M</b> + 7M)
	b) Explain what is meant	by tenning of trees.		(8141+7141)
3.	Write in detail about diffe	rent types of cement.		(15M)
4.	a) Write about different ty	pes of Floors.		
	b) What is distempering?	How is it done?		(8M+7M)
5.	Discuss the characteristics	of good aggregates.		(15M)
6.	Write about Resource leve	ling and Resource alloca	ation.	(15M)
7.	Explain in brief the differ	ence between PERT and	d CPM networks. Explain	the circumstances
	under which one is prefer	red over the other.		(15M)
8.	Differentiate clearly betw	een most likely time est	imate (t _L ), mean time(t _m ) a	nd expected time
	(t _E ).			(15M)

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Code No: R21012	<b>(R10</b> )	(SET - 4)		
II B. Tec CONST	h I Semester Regular Examinations, March - RUCTION MATERIALS AND MANAGEM	- 2014 1ENT		
	(Civil Engineering)			
Time: 3 hours		Max. Marks: 75		
	Answer any <b>FIVE</b> Questions			
	All Questions carry Equal Marks			
1. a) Describe the various	types of tiles.			
b) Explain how the folle	owing tests for stones are carried out:			
i) Hardness test	ii) Water absorption test	(7M+8M)		
) a) Explain English bon	d with peat skatches			
b) Mention the qualities	s of a good timber	(7M+8M)		
b) Wention the quanties		(/141/0141)		
Discuss at length the m	odern manufacturing process of ordinary cemer	nt. (15M)		
a) Write about different	types of stair cases.			
b) What are the different	nt types of paints used for protecting steel struc	ctures in coastal regions?		
		(7M+8M)		
a) What are different to	non of a series for an live series and a series			
b) What is fineness? Ho	w would you find the fineness modulus value of	of coarse and fine		
aggregates?	sw would you find the interess modulus value (	(8M+7M)		
66 6		· · · · ·		
. Write about tests on geo	ocomposites and geomembranes.	(15M)		
. A project consists of 8	A project consists of 8 activities A, B, C, D, E, F, G and H with their times of completion as			
follows.				
Activities	<u>Duration (weeks)</u>			
B				
C C	2			
D	- 4			
Е	6			
F	4			
G	5			
Н	4			
The precedence relation	ships are as follows:			
A and B can be perform	til A is complete			
E cannot start until half	the work of activity C is complete			
F can start only after ac	tivity D is complete			
G succeeds C				
H is the last activity, wl	hich should succeed E			
a) Draw the bar chart				
b) What is the total time	e of completion of the project?	(15M)		
. Differentiate between F	PERT network and CPM network. Illustrate you	ar answer by drawing the		
two types of networks f	or a project.	(15M)		