THE TESTING OF PORTLAND CEMENT CONCRETE

1.	In making	a slump test:				
	a.	The cone should be filled in	າ	_ layers.		
	b.	Each layer should be equa	l	_ •		
	C.	Each layer should be rodde	ed	times.		
	d.	The cone should be rapped	d with a rod		times.	
	e.	The cone (should, should n	not) be rotated	slightly who	en lifted.	
	f.	The cone should be raised	within	to	seconds.	
	g.	In filling the slump cone, or inches; two thirds			•	
2.		int of slump, as determined be between the height of the mecimen.	•		, ,	
		True	False			
3.	Slump is a good measure of concrete.					
	a.	Consistency				
	b.	Flowability				
	C.	Setting time				
	d.	None of the above				
4.	Using the following information, determine the unit weight of a concrete mixture:					
	Weigl	nt of empty bucket nt of full bucket ne of bucket	15.62 lbs 52.69 lbs 0.33 Cu. F	Ft.		
5.		ecking the air content, the Pre icator AASHTO T-199.	essure Method	AASHTO	Γ-152 is not as reliable	e as the
		True	False			

should	be run	cking the air content on structure concrete, the Chace Indicator AASHTO T-199 on the first load and a random load in each four load "lots" thereafter and when are made.			
		True False			
	ncrete s ers are r	should have the desired slump before any type of air check is made or before test made.			
		True False			
	at is the I C-172)	e minimum size sample for preparing test specimens for concrete strength tests?			
	a.	0.1 Cu. Ft.			
	b.	0.5 Cu. Ft.			
	C.	1.0 Cu. Ft.			
	d.	None of the above.			
cond	What is the correct method to "perform sampling" (i.e., collect the concrete sample) when the concrete is delivered to a job site by means of a revolving drum mixer truck, or an agitator truck.				
	a. Wait	t until the concrete is in the forms and perform sampling in the forms.			
	b. Perf	form sampling by passing the receptacle through the entire discharge stream, or			
	by d	diverting the stream completely so that it discharges into a container.			
	c. Wait	t until the concrete is deposited in a bucket and perform sampling in the bucket.			
	d. None of the above.				
	nlight ar	ole should be remixed, (just prior to making the test specimens), protected from and wind during the period between taking and using, but in no case when time			
	a.	5 minutes			
	b.	10 minutes			
	C.	15 minutes			
	d.	30 minutes			

		ring test cylinders for the first 20 to 24 hours, they must be kept moist and at petween:
	a.	40 to 50 deg. F.
	b.	60 to 80 deg. F.
	C.	90 and above
	d.	none of the above
12.	Test c	ylinders should be sent to the laboratory for standard curing, within 7 days. True False
13. should		test cylinders are being made on a truckload of concrete, what other type test on the same load of concrete?
ANS:		