DIPLOMA COURSE 2021
New Zealand Pool Industry Association Inc PO Box 170769 Greenlane 1546

Diploma Pool Tech
– email executive@poolguild.org.nz

	R 8 TEST WATER TESTING AND	Your Name Don't write in score boxes				
	In New Zealand met	ropolitan areas,	much of the town	supply water come	s from	
1	l wl	nich is premomin	antely 2	so is		
effecti	ively 3	water, and	d there is a wide r	ange in the quality	of the	
make-	-up wate, so 4	m	ust take place.			
	Using this water to fi	ll a residential sv	vimming pool:			
The F	irst step is to 5			, then the Se	cond step is that the pool water	
6		Thir	d and Fourth step	s are to 7		
and 8.		_then the resulti	ng water has to be	e 9		
	ling is very important. Id mple, however, this is no			and the water is to	be thoroughly mixed before taking	
of wat					en many more thousands of litres by of the test results depends on	
	DOs and DON'Ts of	chemical testing	:			
10. Te	est reagents should be					
11. Cł	nemicals and the coloure	d test comparato	or should be stored	d		
12. Cł	nemicals should not be _					
13. Do	on't	, as many	of the chemicals	are		
14						
15. Te	ested samples should be	disposed of				
16. An	nd never		· ·			
17. Sh	ould Children and imma	ure teenagers b	e allowed to hand	e the test reagents	?	
Which	tests are carried out rou	tinely to test resi	dential pool water	?		
18.	To determine chlorine	or bromine levels	s, use	tablets		
determ		nich is beyond th	e capability of the	pool shops. Also th	vever, the equipment requires nere are little bimetallic gadgets to or sold	
19.	For Polymeric Biguanio					
20.	Hydrogen Peroxide?					
21.	Total Alkalinity? Step	(a) Add	to			
		(b) Add	to			

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(c) then					
pH can be measured by using or					
23. The coloured pH indicator most frequently used is					
24. What colours develop by this test at the following pH levels: 6.8 and 8.2					
Since some of the older fibreglass pools <u>have to be maintained at pH 6.8</u> to avoid the appearance of black stains, what indicator is recommended instead of the traditional testing agent? 25					
An electronic pH meter consists of a millivolt meter which is calibrated to read pH values and a probe which consists of a					
26 A Calcium Hardness test kit consists of:					
Cyanuric Acid test kit (This test is not usually provided to the home pool owners)					
A sample of the pool water is mixed with the reagent which will produce					
28 Pool Water Temperature is measured with					
29 Total dissolced solids are measured either a					
or with a					
30 What does this test NOT tell you?					
Salt water content determination.					
This value is important for the efficient operation of the salt water chlorinators.					
The yellow indicator solution is (a) which turns (b) (colour) when enough drops were added to the water sample.					
The multiplying factor is usually (c) Care should be taken with the reagent solution as it is affected by light and thus it should be kept in the dark when not in use.					
Also apart from being poisonous, it stains the skin,.					
32 Automatic Dosing Equipment					
Describe Chlorine dispensing equipment. [Multiple answers]					

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	33	The typical dosing pump is called a type pump
	34	Chlorine is created electrostatically by
	35	What happens to the pool water pH when an electrostatic device is used?
	36	What have the manufacturers of these devices done to combat this situation?
	37	What is the simplest (and cheapest) product that feeds chlorine into a pool?
	38	This device uses tablets which have a pH of
		let dispensers should be used with the slow dissolving tablets only, NOT with granular chlorine. Also ferent chlorine compounds should be avoided as serious accidents and explosion can occur.
pH contr	olling eq	quipment
	39	This unit measures the pH of the water and if the pH is higher than the preselected value it to the pool water.
	40 equipr	These units which inject the acid into the suction line (a) before or (b) after the filter and any heatin
ROUTIN	E POOL	WATER MAINTENANCE (Describe what treatments are neededin an ideal world!)
	41	DAILY
		(a)
		(b)
		(c)
	42	WEEKLY iin addition to the daily routine
(a)		
(b)		
(c)		
(d)		
	43	MONTHLY
(a)		
(b)		

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44	OFF-SEASON when the pool is not being used
	(a)
	(b)
	(c)
	(d) When away
45	SPRING STARTUP: What is recommended?
	(a)
	(b)
	(c)
	(d)

-end-