## COMMON CHEMICAL INDUSTRIES IN PAKISTAN

## MULTIPLE CHOICE QUESTIONS

1.	Which component, if present in paper causes brittleness:							
	(a)	Chlorine	(b)	Cellulose				
	(c)	Sodium hydroxide	(d)	Lignin				
2.		Thich of the following three elements are largely needed for healthy grove plants:						
	(a)	N, P, S	(b)	N, P, C				
	(c)	N, P, K	(d)	N, P, H				
3.	Nitr	ogen helps in:						
	(a)	Normal growth of plant	(b)	Protein synthesis				
	(c)	Nucleic acid synthesis	(d)	All of above				
4.		e nutrients which are required in very small amount for growth of plant e called:						
	(a)	Nitrogenous fertilizers	(b)	Micronutrients				
	(c)	Macronutrients	(d)	Surfactants				
5.	Whi	Which of the following element is not macro-nutrient:						
	(a)	В	(b)	Ca				
	(c)	S	(d)	Н				
6.	Whi	ich of the following is not mici	ro-nut	rient:				
	(a)	Fe	(b)	Mn				
	(c)	Cu	(d)	Н				

7.	Which of the following is not calcareous material:							
	(a)	Lime stone	(b)	Marine shell				
	(c)	Clay	(d)	Marble				
8.	Wh	ich is not argillaceous material	l:					
	(a)	Lime stone	(b)	Clay				
	(c)	Slate	(d)	None				
9.	The	%age of nitrogen in NH4NO3	is:					
	(a)	33 – 33.5%	(b)	30 - 33.5%				
	(c)	30 – 32.5%	(d)	31 – 32%				
10.	Wh	What is the main function of rotary kilin:						
	(a)	Heating lime stone	(b)	Heating of clinker				
	(c)	Drying of slurry	(d)	Preparation of clinker				
11.	Wh	Which of the following process is alkaline:						
	(a)	Kraft process						
	(b)	Sulphite process						
	(c)	Neutral sulphite semi chemica	l proc	ess (NSSC)				
	(d)	None						
12.	DAP contains P <sub>2</sub> O <sub>5</sub> :							
	(a)	48%	(b)	38%				
	(c)	68%	(d)	75%				
13.	Which of the following compounds is present in highest percentage in cement							
	(a)	Lime	(b)	Clay				
	(c)	$Na_2O$	(d)	Alumina				
14.	Wh	Which fertilizer is widely used in Pakistan:						
	(a)	Urea	(b)	KNO <sub>3</sub>				
	(c)	DAP	(d)	$K_2SO_4$				
15.	Wh	Which of the following fertilizers, contains 75% nutrient:						
	(a)	DAP	(b)	TAP				
	(c)	Urea	(d)	NH <sub>4</sub> NO <sub>3</sub>				

10.	which of the following is woody material:							
	(a)	Bamboo	(b)	Poplar				
	(c)	Bagasse	(d)	Wheat straw				
17.	Wh	Which of the following is main process in paper industry:						
	(a)	Screening	(b)	Bleaching				
	(c)	Digestion	(d)	Stock preparation				
18.	Which of the following bleaching agents is largely used for bleach in Pakistan:							
	(a)	$O_2$	(b)	$O_3$				
	(c)	ClO <sub>2</sub>	(d)	$Cl_2$				
19.	Mic	ronutrients requirement (per a	acre)	for the normal fertility of soil:				
	(a)	4 - 10  g	(b)	6 – 200 kg				
	(c)	6 - 200  g	(d)	None of above				
20.	The	word paper is derived from re	eedy <sub>l</sub>	plant:				
	(a)	Papyrus	(b)	Rose				
	(c)	Acacia	(d)	Papaya				
21.		he nutrients which are required in very small amount for growth re called:						
	(a)	Nitrogenous fertilizers	(b)	Micronutrient				
	(c)	Macronutrient	(d)	Surfactants				
22.	Wh	at is clinker:						
	(a)	Roasted calcareous material						
	(b)	Roasted gypsum						
	(c)	Roasted argillaceous						
	(d)	Roasted calcareous and argilla	ceous	material				
23.	Which one of the following is woody raw material used for making pulp and paper:							
	(a)	Eucalyptus	(b)	Wheat straw				
	(c)	Bagasse	(d)	Cotton linter				
24.	Wh	Which of the following fertilizer is not useful for paddy rice:						
	(a)	DAP	(b)	Ammonium sulphate				
	(c)	Urea	(d)	Ammonium nitrate				

25.	Whi	Which substance is used as filler or additive in paper making:							
	(a)	Cellulose	(b)	Starch					
	(c)	Lime	(d)	Gypsum salt					
26.	Pho	sphorus helps the growth of	:						
	(a)	Root	(b)	Leave					
	(c)	Stem	(d)	Seed					
27.	Rot	ary kiln has how many zone	s:						
	(a)	2	(b)	3					
	(c)	4	(d)	5					
28.	Whi	ich element is often present	in all fe	rtilizers:					
	(a)	Nitrogen	(b)	Carbon					
	(c)	Phosphorus	(d)	Potassium					
29.	The	%age of nitrogen in urea is	:						
	(a)	35%	(b)	46%					
	(c)	82%	(d)	75%					
30.	"Ro	ck Phosphate" has composit	tion of:						
	(a)	$CaH_3PO_4$	(b)	$Ca(H_2PO_4)_2$					
	(c)	$Ca_3(PO_4)_2$	(d)	CaHPO <sub>4</sub>					
31.	Wh	ich one of the following is an	organi	c fertilizers:					
	(a)	Manure	(b)	Amonium nitrate					
	(c)	Urea	(d)	Both (a) and (c)					
32.	Whi	ich of the following cannot b	e used a	as phosphatic fertilizer:					
	(a)	CaH <sub>3</sub> PO <sub>4</sub>	(b)	$(NH_4)_2HPO_4$					
	(c)	$Ca_3(PO_4)_2$	(d)	$P_2O_5$					
33.	Cen	Cement was introduced by a mason:							
	(a)	D-H Whore	(b)	Humphry Davy					
	(c)	Joseph Aspdin	(d)	F. Wholer					
34.	The	%age gypsum in the cemen	t is:						
	(a)	1 - 2%	(b)	2 - 3%					
	(c)	3 - 4%	(d)	4 - 5%					
35.	In t	the cement manufacture, the digestor revolves at R.P.M.							
	(a)	2	(b)	2.5					
	(c)	3.0	(d)	3.5					

## answers

1.	(d)	2.	(c)	3.	(d)	4.	(b)	5.	(a)
6.	(d)	7.	(c)	8.	(a)	9.	(a)	10.	(d)
11.	(a)	12.	(a)	13.	(a)	14.	(a)	15.	(a)
16.	(b)	17.	(c)	18.	(c)	19.	(c)	20.	(a)
21.	(b)	22.	(d)	23.	(a)	24.	(d)	25.	(d)
26.	(d)	27.	(c)	28.	(a)	29.	(b)	30.	(c)
31.	(d)	32.	(c)	33.	(c)	34.	(d)	35.	(b)