			misc. s	em III	Mash	2017		
			Mrsc. S	lytical	Chem	Q.P. Code :0	9464	
				, 1 z	D	TT _ 1000000	37.503.83	102468
	. 1	[Tim	e: 2½ Hours]					[Marks:60]
		DI	oasa shask wh	othor you ba	vo got the	right question paper		
	N.B:		All questions a			1. S.		
	14.5.	2.	lise of log or	onnrogrami	nable calc	ulator is permitted.		
		۷.	030 01 106 01 1	Юпрговгани	nable call			45.45.45.425.
4 4		× 1					480334	
1A /	Attempt and	y two of	the following:	of Common Ef	fluent Treat	tment Plant (CETP)?		
	ii)	Discuss	the importance	of the recycle	and reuse c	of treated water,		
	iii)	Describe	the electroche	mical depositi	on process	for the recovery of met	als from indust	rial
		effluent	s		15 15 Ch			
	iv)	What a	re environmenta	I impacts of v	vater polluti	ion due to metallurgica	lindustry?	1244 15
		8 8		200				
, , B	Discuss and	aerobic d	igestion process	for waste wat	er treatme			4
			:!-! - !:: : £ !		n the motel	lûrgical industrial efflue	onto S	
В	Comment	on permi	ssible limits for i	leavy metals i	Color metal	lurgical industrial efflue		
			tale - fallaccina /				3636	8
Q.2 A	Attempt a	ny two oi Evnlain	the following. the role of 3 R's	in sustainable	developme	ent.		
	ii)	What a	re the effects of	solid waste o	n human he	alth and environment?	ST F	
	iii)	Write r	ote on the man	agement and	disposal of r	nunicipal solid wastes.		
	iv)	Discus	the occupation	al health haza	rds associat	ed with biomedical was	te handling?	
								14
В	Explain ro	le of the	solid waste man	agement in th	e sustainabl	e development.		4
В	Discuss tr	eatment	and disposal of s	ludge or dry c	ake			
Ь	Discuss tr	atment.						
Q.3 A	Attemnt a	nvîtwo c	f the following.					8
Q.3 A					s on the hu	man health and enviror	nment.	
	ii) 🐼		s the compositio					
	iii)					hniques in polymer ana	lysis.	
	Siv)	What	are advantages o	of the organos	ilicone base	ed paints?		
el e					500 m			
B) Disuses th	ne deterr	nination of volat	ile and non-vo	OR	onents of paints.		4
₩ R	List meta	llic impui	ities in plastics.	Explain any or	,	vailable for the determ	ination metalli	c impurities 4
ST. CO.	in plastics	A 1 14 14 1 1	300 1868					
	14 15 TO S							
Q,4 A	Attempt		of the following.					8
20.25			is ore gressing r is in details: Cara			methods of ore dressin	g	
\$ 50 E						he metallurgical indust	rv.	
6,600	SOCIV)					e calcinations and roast		
5.6%			887 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Park B	What is a	alloying?	Explain its need	1	0.5			4
50°5	S How is Δ	luminiun	from bauxite o	re analysed?	OR			
200 m		100 A		C dilalyseur				
3035	43802	390%	6					
666				1				

						Q.P. Code	:09464	
Q.5	Attempt a	ny four of the foll Write short not	A STATE OF THE STA	f potable W	ater.			
	ii) iii)	Comment on ef What are environment	fluent parame onmental hea	eters for me Ith impacts	tallurgical ind of biomedical			
1	iv) v) vi)	How the non-d Explain the clas Discuss the env	sification of p	lastics.		tant.		
	vii) viii)	What are the application Discuss the role	plications of	the high pui				
								Ž
A Proposition of								
								the state of the s