QP Code : BV-8370

(2 1/2 Hours)

[Total Marks: 60

•		Con. 4401-14.	
		_	TURN OVER
		significance?	
		b Give an account of chemically modified electrode	s. What is their
		· OR	
		ion in the second solution.	
		was found to be 2.44 sec. Calculate the concentration	on of the metal
		in a sunder identical collultudis, ulo	CIMINITATOR
***		Call - motel tone HOT SHOTHER AJ CILL SMI	Thio pointeron on
		· · · · · · · · · · · · · · · · · · ·	COHUME
			, the transition 4
		iv Describe the disposable multilayer p-ion system v	vith a suitable
	3	. 1 · 11 alantrodes/	
	:	:: What are screen printed electrodes? How are	the analytes
	1		
		measured in this technique: Discuss the applications of polarography in organic	and morganic
		1 1 1 - Acabarana/	
Q.3	5	Attempt any Two of the following Explain the basic principle of TAST polarography. H	low is current
0.3		mftha tallasunna	
	ŀ	What are the applications of Mossbauer spectroscopy?	8
		OR.	/
	٠ ,	plasma sources.	wid .
	b .	the second principle of atomic emission special	roscopy with
		1 landimo	
	iv	Explain the arc and spark source methods with referen	ce to sample
	iii	1: tions of chark collect Specific S	
	ii	Discuss the different cells used in photo acoustic special	oscopy.
	-	1 1 amontrocconv	
Q.2	i	Explain isomer shift and quadrupole splitting with	respect to
Q.2	a.	m -fthe following	
	b. '	What is UPS? What information is obtained from this tec	Simuquo.
		OR	chnique? 4
		$(h=4.1 \times 10^{-15} \text{ eV}, c=3 \times 10^{3} \text{ ms}^{-1})$	31 - Y
0.00		energy of the Auger electron is 3/36V.	
		and the outer shell from which the second clouds 1911	Inc. dindud
		t i lia amos chall trotti willell the divers	
	b.	1 absorred at 537 eV Estimate the di	was ejected
	iv	Explain the working of electron spectrometer used in Boo	// TTILL
	iii	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	A with a
	ii.	Discuss the applications of scanning probe microscope.	
		Transit the function of each component.	
` -	i.	Draw a schematic diagram of the scanning clouds I	
Q.1	a.	Attempt any Two of the following.	icroscope.
			8
Annual Monthsteel C.N. Six	(2) U	ll questions are compuisory. se of log table or nonprogrammable calculator is pormi	
N.B.:	(1) Al	ll questions are compulsory.	tted.
	180		
			The state of the s

of gaseous air pollutants?