

Name of Examination Slot: E1		Continuous Assessment Test-1 (CAT-I), Winter Semester 2022-23				
		Course Mode : Off		Class Number (s): CH2022232300222		
Course Code: BCHY101L		Course Title:	Engineering Chemistry			
Faculty Name: Dr De		panjan Sarkar	School:	SAS		

General Instructions: CLOSED BOOK Examination

## Answer any Five Questions

Total Marks: 5 X 10 Marks = 50

ndition from a volume of age in entropy. (5 Marks)  work can be done by the tion. (5 marks)  s and 10x10 <sup>-2</sup> L/mol.s at energy. (5 marks)	10 10
work can be done by the tion. (5 marks) s and 10x10 <sup>-2</sup> L/mol.s at	10
s and 10x10-2 L/mol.s at	
s and 10x10-2 L/mol.s at	
	10
nple (3 marks) explain with diagram. (5	
	10
	10
and magnetic moment of	10
	farks) and magnetic moment of

6.	i)	Briefly discuss any two applications of coordination complexes. (5 Marks)	10
	ii)	Write down the magnetic property, hybridization, and brief applications of ferrocene. (5 Marks)	

Reference:

3	4	5	6	7	8	9	10	11	12
21	22	23	24	25	26	27	28	29	30
Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn
39	40	41	42	43	44	45	46	47	48
Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd
57	72	73	74	75	76	77	78	79	80
La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg
89	104	105	106	107	108	109	110	111	112
Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn