(C)	How is Aspirin prepared? Give its uses.	2½			NTK/KW/15/5907		
(D) (E)	Explain the mode of action of barbiturates. What are blockers? How will you prepare Ato	2½ enolol	Bachelor of Science (B.Sc.) Semester— (C.B.S) Examination		,		
(F)	from DL-4-hydroxyphenyl glycine? Explain the general mechanism of action	2½ n and	ICH-	ICH—501 : INDUSTRIAL CHEMISTRY Paper—I			
	pharmacodynamics properties of Isoniazid.	2½					
5. Atto	empt any TEN of the following: $10 \times$	1=10	Time—Three	Hours]	[Maximum Marks—50		
(i) (ii)	Define vatting. Give the types of malachite dye.		Note :— (1)	All the FIVE question carry equal marks.	ns are compulsory and		
(iii)	In dye industry vat dye is represented by symbol?	which	(2)	(2) Draw diagrams and write equations where necessary.			
(iv) (v) (vi)	Give any two Fermenters.		, ,	•	e they classified on the oplication? Give its uses.		
, ,			(B) Give the preparation and its uses of following dyes:(i) Methyl orange				
(xi)	What is utility of propranolol?		(ii)	Indigo.	5		
(xii)	Write the structural formula of Ibuprofen.			OR			
				w is structure of Alizar			
MVM—47	7716 4	125	MVM—47716	1	Contd.		

(E) (F)	What are the requirements of good que the basis of their function ?	2½	(F)	A series of Iron determination were made on a metallisample. The observation are 7.146, 7.098, 6.942, 7.256 and 6.593. Determine average deviation from mean.	2, m
	Mention the difficulties in the sampling Describe the use of gas pipette for sample Define the terms:	-	3. (A)	How will you synthesize the following in the laboratory: (i) Penicillin-G and	
(B)	(i) Absolute error and(ii) Relative error.		(B)	(ii) Vitamin C.Give the synthesis and uses of the following:(i) Tetracycline and	5
	In the estimation of chromium in a same the results of eight measurements are 1	•		OR	5
	15.62, 15.51, 15.48, 15.54 and 15.53 mean and median.	3. Calculate 5		Give the general principle of Fermentation process	⁄2
	OR		(D)	How is Vitamin–A synthesized industrially? 2½	2
(C)	Write short note on sampling unit.	21/2	(E)	How will you distinguish Penicillin-G an Penicillin-V?	
(D)	Describe briefly the sampling of a homogouplaced in a large container.	enous liquid 2½	(F)	Give the preparation and properties of Vitamin B	,
(E)	Find out the number of significant fig following:	gures in the	4. (A)		ne 5
	(i) 1.00367 (ii) 1.83×10^5		(B)	What are barbiturates? How are they classified of the basis of hypnosis? How will you prepare barbiturates.	
	` '				5
	(iii) 0.0503			OR	
	(iv) 104000.	2½			
MVM—47	7716 2	Contd.	MVM—47	716 3 Conto	1.