

HALDIA INSTITUTE OF PHARMACY

ICARE Complex, Hatiberia, Haldia, Purba Medinipur, W.B. – 721657

Programme:	B. Pharm	Semester:	I
Subject:	Pharmaceutical Inorganic Chemistry	Subject Code:	BP110P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	To carry out the limit test for chlorides of the given test sample.	Chaudhary NC, Gurbani NK. Pharmaceutical Chemistry-I. 1 st ed. Delhi: Vallabh Prakashan; 1994. p. 219-220
	2.	To carry out the limit test for Sulphates of the given test sample.	Same as above. p. 220-221
Day 2	3.	To carry out the limit test for Iron of the given test sample.	Same as above. p. 222-223
Day 3	4.	To perform modified limit test for Chloride of the given test substance.	Gupta J, Sanduja M. A Practical Book of Pharmaceutical Inorganic Chemistry. 2 nd ed. Pune: Nirali Prakashan; 2018. p. 03
	5.	To perform modified limit test for Sulphate of the given test substance.	Same as above. p. 05
Day 4	6.	Demonstration of limit test for Arsenic.	Chaudhary NC, Gurbani NK. Pharmaceutical Chemistry-I. 1 st ed. Delhi: Vallabh Prakashan; 1994. p. 228-230.
	7.	To perform the identification tests of Magnesium Hydroxide.	Gupta J, Sanduja M. A Practical Book of Pharmaceutical Inorganic Chemistry. 2 nd ed. Pune: Nirali Prakashan; 2018. p. 23
Day 5	8.	To perform the identification tests of Ferrous Sulphate.	Same as above. p. 24
	9.	To perform the identification tests of Sodium Bicarbonate.	Same as above. p. 26
Day 6	10.	To perform the identification tests of Calcium Gluconate.	Same as above. p. 27
	11.	To perform the identification tests of Copper Sulphate.	Same as above. p. 29
Day 7	12.	To determine the swelling power of Bentonite.	Indian Pharmacopoeia 2010. 6 th ed. Vol. II. Ghazibad: The Indian Pharmacopoeia Commission; 2010. p. 877
Day 8	13.	To determine the acid neutralizing capacity of aluminium hydroxide gel.	Same as above. p. 788
Day 9	14.	To prepare and submit Boric acid from Borax.	Chaudhary NC, Gurbani NK. Pharmaceutical Chemistry-I. 1 st ed. Delhi: Vallabh Prakashan; 1994. p. 25
Day 10	15.	To prepare and submit Ferrous Sulphate (Green Vitriol)	Same as above. p. 162



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Programme:	B. Pharm	Semester:	I
Subject:	Pharmaceutics I	Subject Code:	BP109P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	Preparation of Simple syrup I.P.	Ali. J, Baboota. S, 2020-2021, "Pharmaceutics-I Practical manual", 1 st edition, page no- 17, Birla publication.
	2.	Preparation of Orange syrup	Alam.S, Sahoo. J, 2019, "A practical book of Pharmaceutics-I", 3 rd edition, page no- 12, Nirali prakashan
Day 2	3.	Preparation of Ferrous Sulphate syrup	Same as above, page no- 19, Birla publication.
	4.	Preparation of Piperazine Citrate elixir	Same as above,, page no- 25
Day 3	5.	Compounding and dispensing of Paracetamol P elixir	Same as above, page no- 27
	6.	Preparation of Iodine throat paint	Same as above, page no- 157
Day 4	7.	Compounding and dispensing of Terpene Hydrt linctus	Pharmacy Infoline, https://pharmacyinfoline.com/bp109p-pharmaceutics-i-practical/
	8.	Preparation of Lugol's solution	Ali. J, Baboota. S, 2020-2021, "Pharmaceutics-I Practical manual", 1 st edition, page no- 45, Birla publication.
Day 5	9.	Compounding and dispensing of Cresol soap so	Harshita, Barkat. A, Beg. S, Ahmad. J. F, 2019-2020, "Laboratory manual of Pharmaceutics-I" 1 st edition, page no-43, Birla publication.
	10.	Compounding and dispensing of Calamine lotio	Ali. J, Baboota. S, 2020-2021, "Pharmaceutics-I Practical manual", 1 st edition, page no- 51, Birla publication
Day 6	11.	Preparation of Magnesium Hydroxide mixture	Same as above page no- 57
	12.	Compounding and dispensing of electrolyte replenisher.	Same as above, page no- 95
Day 7	13.	Preparation of effervescent granules	Same as above, page no- 99
	14.	Preparation of Simple ointment base	Narang. K. J, Singh. I, Dogra. A, 2020-2021, "Pharmaceutics laboratory manual" 1 st edition, page no-148, Birla publication.
Day 8	15.	Preparation of Staining Iodine ointment	R. M. Mehata, Phramaceutics-II Page no- 181, Vallabh Prakashan
	16.	Preparation of Non-staining Iodine ointment	Ali. J, Baboota. S, 2020-2021, "Pharmaceutics-I Practical manual", 1 st edition, page no- 139, Birla publication
Day 9	17.	Preparation of Liquid Paraffin emulsion.	Same as above, page no- 81
	18.	Compounding and dispensing of Glycero-gelatin suppositories	Same as above page no- 121
Day 10	19.	Preparation of gargles	Same as above, page no- 147
	20.	Preparation of mouthwash	Same as above, page no- 151



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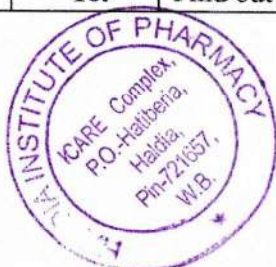
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Programme:	B. Pharm	Semester:	I
Subject:	Pharmaceutical Analysis	Subject Code:	BP108P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	Do and don't in laboratory	A practical book of pharmaceutical analysis by Dr.Puspendra Kumar pg no.8
	2.	Hazard warning labels in chemical	
	3.	Expression of chemical strength	
Day 2	4.	Preparation and standardization of 0.1N HCl solution and perform the assay of borax	Pharmaceutical analysis-I by Sonali Sheorey page no.41-43
Day 3	5.	Preparation and standardization of 0.1N NaOH and perform the assay of ammonium chloride	A practical book of pharmaceutical analysis by Mrs. Priti Nishad Patil. Pg no.20
	6.	Preparation and standardization of 0.1N NaOH and perform the assay of benzoic acid	Pharmaceutical analysis-I by Sonali Sheorey. Pg no. 40
Day 4	7.	Preparation and standardization of 0.1N NaOH and assay of ibuprofen	Pharmaceutical analysis-I by Sonali Sheorey pg no.48
Day 5	8.	Preparation and standardization of 1N H ₂ SO ₄ solution and perform the assay of zinc oxide	Pharmaceutical analysis-I by Sonali Sheorey pg no.62
Day 6	9.	Back titration- Preparation and standardization of 0.5M HCl solution and perform the assay of aspirin	Pharmaceutical analysis-I by Sonali Sheorey pg no.54
Day 7	10.	Preparation and standardization of 0.02M KMnO ₄	Experimental pharmaceutical analysis-I by Dr. Sanjay G. Walode pg no.8.11
	11.	Assay of KCl/ NaCl	Experimental pharmaceutical analysis-I by Dr. Sanjay G. Walode pg no.9.18/9.21
Day 8	12.	Preparation and standardization of 0.05M iodine and perform the assay of vitamin C	Experimental pharmaceutical analysis-I by Dr. Sanjay G. Walode pg no.8.28,8.43
	13.	Assay of paracetamol/ FeSO ₄	Pharmaceutical analysis-I by Sonali Sheorey pg no.79 Experimental pharmaceutical analysis I by Dr.SanjayG.Walodepg no.8.40
Day 9	14.	Preparation and standardization of 0.05M EDTA and perform the assay of CaCO ₃	Pharmaceutical analysis-I by Sonali Sheorey pg no.101
	15.	Determination of alum	Pharmaceutical analysis-I by Sonali Sheorey pg no.118
Day 10	16.	Find out the end point by pH meter	A practical book of pharmaceutical analysis by Dr. Puspendra Kumar pg no.92,94
	17.	Find out the end point by potentiometry	
	18.	Find out the end point by conductometry	



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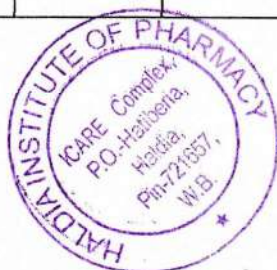
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Programme:	B. Pharm	Semester:	I
Subject:	Human Anatomy and Physiology	Subject Code:	BP107P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	Study of Compound Microscope	Dr Mahesh Prasad, Dr Antesh Kumar Jha, Ritesh Kumar Srivastav, A practical book of Human Anatomy and Physiology-I, Nirali Prakashan, Page-1.1-1.3
	2.	Microscopic study of Epithelial tissue	Same as above page-2.1-2.3
	3.	Microscopic study of Connective tissue	Same as above page-2.3-2.5
	4.	Microscopic study of Muscular tissue	Same as above page-3.1-3.2
	5.	Microscopic study of Nervous tissue	Same as above page-3.3-3.4
Day 2	6.	Identification of axial bone	Same as above page-4.1-4.3
	7.	Identification of appendicular bones	Same as above page-5.1-5.2
Day 3	8.	Introduction to hemocytometry	Same as above page-6.1-6.2
	9.	Enumeration of White blood cell(WBC) count	S R Kale, R R Kale, Practical Human Anatomy and Physiology, Nirali Publication, Page-16-22
Day 4	10.	Enumeration of total red blood corpuscles (RBC) count	Same as above page- Page-9-16
Day 5	11.	Determination of bleeding time	Dr Mahesh Prasad, Dr Antesh Kumar Jha, Ritesh Kumar Srivastav, A practical book of Human Anatomy and Physiology-I, Nirali Prakashan, page-9.1-9.2
Day 6	12.	Determination of clotting time	Same as above, page-10.1-10.3
Day 7	13.	Estimation of hemoglobin content	Same as above page-11.1-11.3
Day 8	14.	Determination of blood group	Same as above page-12.1-12.5
Day 9	15.	Measurement of blood pressure	Same as above, Page-15.1-15.2
Day 10	16.	Determination of Pulse rate	S R Kale, R R Kale, Practical Human Anatomy and Physiology, Nirali Publication, Page:43-44
	17.	Determination of heart rate	Same as above, Page-44



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