

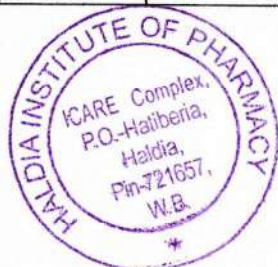
HALDIA INSTITUTE OF PHARMACY

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

Programme:	B. Pharm	Semester:	II
Subject:	Pharmaceutical Organic Chemistry I	Subject Code:	BP208P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	To identify the unknown organic compound by systematic qualitative analysis.	Vogel AI. Elementary Practical Organic Chemistry. Part 2: Qualitative Organic Analysis. 2 nd ed. South Asia: Pearson Education; 2013. p. 33-181
	2.	To identify the given organic compound by systematic qualitative analysis. (Urea)	Agarwal OP. Advanced Practical Organic Chemistry. 34 th ed. Meerut: Krishna Prakashan Media (P) Ltd.; 2018. p. 19-59
Day 2	3.	To identify the given organic compound by systematic qualitative analysis. (Benzoic Acid)	<i>Same as above</i>
Day 3	4.	To identify the given organic compound by systematic qualitative analysis. (Phenol)	<i>Same as above</i>
Day 4	5.	To identify the given organic compound by systematic qualitative analysis. (Formaldehyde)	<i>Same as above</i>
Day 5	6.	To detect the presence of functional group in the given organic compound. (Salicylic Acid)	<i>Same as above.</i> p. 30-59
Day 6	7.	To detect the presence of extra elements in the given sample. (Thiourea)	<i>Same as above.</i> p. 24-29
	8.	To detect the presence of extra elements in the given sample. (Benzyl Chloride)	<i>Same as above</i>
Day 7	9.	To determine the melting point of the given sample. (Salicylic Acid and Benzoic Acid)	<i>Same as above.</i> p. 60-64
	10.	To determine the boiling point of the given sample. (Ethanol, Chloroform)	<i>Same as above</i>
Day 8	11.	To prepare and submit benzamide from benzoyl chloride	Bahl A. Bahl BS. Advanced Organic Chemistry. 1 st ed. New Delhi: S Chand and Company Limited; 2015. p. 1132
	12.	To prepare and submit benzoic acid from Benzamide.	<i>Same as above.</i> p. 1126
Day 9	13.	To carry out the synthesis of Phthalimide from Phthalic Anhydride.	Agarwal OP. Advanced Practical Organic Chemistry. 34 th ed. Meerut: Krishna Prakashan Media (P) Ltd.; 2018. p. 321
	14.	To carry out the synthesis of Aspirin from Salicylic Acid.	<i>Same as above.</i> p. 302
Day 10	15.	To make a stereo model of methane by using ball and stick molecules	Ghaffari S. A laboratory experiment using molecular models for an introductory chemistry class. Journal of chemical education. 2006 Aug;83(8):1182.



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Programme:	B. Pharm	Semester:	II
Subject:	Human Anatomy and Physiology II	Subject Code:	BP207P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	Study of integumentary system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,1-9, Nirali prakasan
	2.	To examine the different types of taste.	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 49-50, Nirali prakasan
Day 2	3.	Study of special senses using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,1-9, Nirali prakasan
	4.	Demonstration of the function of olfactory nerve	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 48, Nirali prakasan
Day 3	5.	Study of endocrine system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,15-21, Nirali prakasan
	6.	Recording of BMI	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 45-47, Nirali prakasan
Day 4	7.	Study of digestive system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,41-51, Nirali prakasan
	8.	Recording of body temperature	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 44, Nirali prakasan
Day 5	9.	Study of respiratory system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,41-51, Nirali prakasan
	10.	Demonstration of the reflex action	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 54-60, Nirali prakasan
Day 6	11.	Study of cardiovascular system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,41-51, Nirali prakasan
	12.	Demonstration of the visual activity	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 51-53, Nirali prakasan
Day 7	13.	Study of urinary system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,41-51, Nirali prakasan
	14.	Demonstration of the general neurological examination	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 61-70, Nirali prakasan
Day 8	15.	Study of reproductive system using specimen models	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,41-, Nirali prakasan
	16.	Determination of tidal volume and vital capacity	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 45-47, Nirali prakasan
Day 9	17.	Study of vital organs and gonads	Dr. Mahesh Prasad, A practical book Of human anatomy and physiology,1-9, Nirali prakasan
	18.	Study of family planning devices and pregnancy diagnosis test	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 73-75, Nirali prakasan
Day 10	19.	Demonstration of negative and positive feedback mechanism	Dr. Shilpa A. Deshpande, A practical book of Human anatomy and physiology, 71-72, Nirali prakasan



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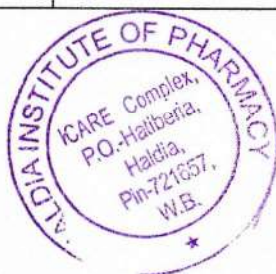
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Programme:	B. Pharm	Semester:	II
Subject:	Computer Applications in Pharmacy	Subject Code:	BP210P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	To Design a questionnaire using a word processing package to gather information about a particular disease.	PV Computer Applications In Pharmacy By Munish Goyal and Varun Arora and Sapan K. Shah page no 101-102
Day 2	2.	To Create a HTML web page to show personal information.	PV Computer Applications In Pharmacy By Munish Goyal and Varun Arora and Sapan K. Shah, page no 118-120
Day 3	3.	To Retrieve the information of a drug and its adverse effects using online tools.	PV Computer Applications In Pharmacy By Munish Goyal and Varun Arora and Sapan K. Shah page no 124-125
Day 4	4.	To Create mailing labels Using Label Wizard , generating label in MS WORD.	Computer Application in Pharmacy: Theory and Practical for Second Semester Bachelor in Pharmacy Gaurav Agarwal, Parmeet Kaur, page no 97-99
Day 5	5.	To Create a database in MS Access to store the patient information with the required fields Using access.	Computer Application in Pharmacy: Theory and Practical for Second Semester Bachelor in Pharmacy Gaurav Agarwal, Parmeet Kaur, page no 100-102
Day 6	6.	To Design a form in MS Access to view, add, delete and modify the patient record in the database.	PV Computer Applications In Pharmacy By Munish Goyal and Varun Arora and Sapan K. Shah page no 141-145
Day 7	7.	To Generate report and printing the report from patient database.	PV Computer Applications In Pharmacy By Munish Goyal and Varun Arora and Sapan K. Shah page no 148-152
Day 8	8.	To perform the Drug information storage and retrieval using MS Access.	Computer Application in Pharmacy: Theory and Practical for Second Semester Bachelor in Pharmacy Gaurav Agarwal, Parmeet Kaur, page no 103-105
Day 9	9.	To Export Tables, Queries, Forms and Reports to web pages.	Computer Application in Pharmacy: Theory and Practical for Second Semester Bachelor in Pharmacy Gaurav Agarwal, Parmeet Kaur, page 108-110.
Day 10	10.	To Export Tables, Queries, Forms and Reports to XML pages.	Computer Application in Pharmacy: Theory and Practical for Second Semester Bachelor in Pharmacy Gaurav Agarwal, Parmeet Kaur, page no 111



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Programme:	B. Pharm	Semester:	II
Subject:	Biochemistry	Subject Code:	BP209P

List of Experiments

Day	Exp. No.	Name of Experiment	Reference
Day 1	1.	To perform the qualitative tests for unknown carbohydrate.	Jayaraman JJ. Laboratory Manual in Biochemistry. 2 nd ed. New Delhi: New Age International (P) Limited, Publishers; 2017. p. 46-48
	2.	To identify the given carbohydrate by systematic qualitative analysis. (Glucose)	Agarwal OP. Advanced Practical Organic Chemistry. 34 th ed. Meerut: Krishna Prakashan Media (P) Ltd.; 2018. p. 42-43
Day 2	3.	To identify the given carbohydrate by systematic qualitative analysis. (Fructose)	
	4.	To identify the given carbohydrate by systematic qualitative analysis. (Sucrose)	
	5.	To identify the given carbohydrate by systematic qualitative analysis. (Starch)	
Day 3	6.	To identify the given carbohydrate by systematic qualitative analysis. (Lactose)	
	7.	To identify the given carbohydrate by systematic qualitative analysis. (Maltose)	
Day 4	8.	To identify the given sample of protein. (Albumin)	Mohanty S. Verma A. Practical Clinical Biochemistry. 1 st ed. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd.; 2013. p. 20-25
	9.	To identify the given sample of protein. (Casein)	Same as above
Day 5	10.	To estimate quantification of reducing sugar (Maltose) by DNSA Method.	Jayaraman JJ. Laboratory Manual in Biochemistry. 2 nd ed. New Delhi: New Age International (P) Limited, Publishers; 2017. p. 49
Day 6	11.	To perform Biuret method of Protein estimation.	Same as above. p. 70-71
Day 7	12.	To prepare buffer solution and measurement of pH.	Lal H. Essentials of Pharmaceutical Biochemistry. 2 nd ed. New Delhi: CBS Publishers & Distributors Pvt. Ltd.; 2019. p. 205-209
Day 8	13.	To perform qualitative analysis of normal and abnormal organic constituents of urine.	Mohanty S. Verma A. Practical Clinical Biochemistry. 1 st ed. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd.; 2013. p. 38-64
Day 9	14.	To estimate blood sugar concentration.	Lal H. Essentials of Pharmaceutical Biochemistry. 2 nd ed. New Delhi: CBS Publishers & Distributors Pvt. Ltd.; 2019. p. 200-202
	15.	To estimate the amount of creatinine in urine.	Same as above. p. 199-200
Day 10	16.	To estimate the amount of Serum total cholesterol.	Same as above. p. 209
	17.	To study the enzymatic hydrolysis of starch.	Same as above. p. 209-210
Day 11	18.	To determine the salivary amylase activity and study the effect of substrate concentration on salivary amylase activity.	Same as above. p. 211-212



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