

I N D E X

Sl. No.	Name of the Experiment	Page No.	Date of Experiment	Date of Submission	Marks Obtained
01	To determine the molar mass or molecular weight of unknown substance by Rast Camphore Method .	1-5	06/08/2019		(8) Done 27/08/19
02	To determine the partition coefficient for the distribution of iodine between water and carbon tetrachloride .	7-11	13/08/2019		(8)
03	To determine the bulk density, true density and porosity of given sample of powder	15-19	27/08/19		(9) Done 03/09/19
04	To determine the partition coefficient of Benzoic acid between benzene and water	24-25	03/09/19		(9) Done 17/09/19
05	To determine the solubility of solids at different temperature using benzoic acid as solid sample	27-29	10/09/19		(9)

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Sl. No.	Name of the Experiment	Page No.	Date of Experiment	Date of Submission	Marks Obtained
06	To determine the pKa value of given weak acid (acetic acid) by using pH meter.	31-35	17/09/19	24/09/2019	(8) Khan 24/09/19
07	Determination of surface tension of given liquid by drop count method using stalagmometer.	37-41	24/09/19	01/10/19	(9) Khan 01/10/19
08	To determine the CMC (critical Micelle Concentration) of a surfactant by surface tension method by using stalagmometer.	42-43	01/10/19	15/10/19	(9.5) Khan 15/10/19
09	To determine the hydrophilic lipophilic balance (HLB) values of a given surfactant.	44-46	15/10/2019		(9) Khan 29/10/19
10	To determine the required HLB number for oil phase to be incorporated in an emulsion.	47-48	22/10/2019		(8.5) Khan
11	To analyse the glycine and Copper complex by pH titration method.	49-51	29/10/2019		(9) Khan 25/11/19

INTERNAL LABORATORY

Program: *B. Pharm*

Semester: *3rd*

Batch: *C*

Assessment Criteria			Expt. No.: <i>1</i>					Expt. No.: <i>2</i>						
			Date	LP	VI LR	SY	Total	Date	LP	VI LR	SY	Total		
Sl. No.	Roll No	Name of the Students												
1	<i>180510011053</i>	<i>Keneelno Kera</i>	<i>06/08/19</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>12/08/19</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>
2	<i>54</i>	<i>Khyali Mishra</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>		
3	<i>55</i>	<i>Krishasree Choudhury</i>	<i>1</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>16</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
4	<i>56</i>	<i>Madhumiya Goswami</i>	<i>1</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>16</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>		
5	<i>57</i>	<i>Madhumiya Kashyap</i>	<i>1</i>	<i>4</i>	<i>9</i>	<i>4</i>	<i>16</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
6	<i>58</i>	<i>Nanjum Hussain</i>	<i>1</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>16</i>	<i>A</i>	<i>0</i>	<i>8</i>	<i>0</i>	<i>8</i>		
7	<i>59</i>	<i>Nanthan Dey</i>	<i>1</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>	<i>2</i>	<i>6</i>	<i>8</i>	<i>5</i>	<i>19</i>		
8	<i>60</i>	<i>Nominul Islam</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>A</i>	<i>0</i>	<i>8</i>	<i>0</i>	<i>8</i>		
9	<i>61</i>	<i>Mridul Das</i>	<i>1</i>	<i>4</i>	<i>9</i>	<i>4</i>	<i>17</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
10	<i>62</i>	<i>Mridyanka Das</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>4</i>	<i>17</i>		
11	<i>63</i>	<i>Mukul Das</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
12	<i>64</i>	<i>Nabanita Paul</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>		
13	<i>65</i>	<i>Nabarun Kumar</i>	<i>1</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
14	<i>66</i>	<i>Nayan T. Bora</i>	<i>1</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>		
15	<i>67</i>	<i>Nayan T. Saikia</i>	<i>1</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>18</i>		
16	<i>68</i>	<i>Nayan Mani Saharia</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>A</i>	<i>0</i>	<i>8</i>	<i>0</i>	<i>8</i>		
17	<i>69</i>	<i>Nikhunoni Ahmed</i>	<i>1</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>	<i>A</i>	<i>0</i>	<i>7</i>	<i>0</i>	<i>7</i>		
18	<i>70</i>	<i>Nishanta Kalita</i>	<i>1</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>17</i>		
19	<i>71</i>	<i>Pamolina Boruah</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>18</i>		
20	<i>72</i>	<i>Payal Biswa Sarma</i>	<i>1</i>	<i>6</i>	<i>8</i>	<i>5</i>	<i>19</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>4</i>	<i>17</i>		
21	<i>73</i>	<i>Preetam Goswami</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>4</i>	<i>17</i>	<i>2</i>	<i>5</i>	<i>8</i>	<i>6</i>	<i>19</i>		
22	<i>74</i>	<i>Pubali Goswami</i>	<i>1</i>	<i>4</i>	<i>9</i>	<i>3</i>	<i>16</i>	<i>2</i>	<i>5</i>	<i>9</i>	<i>5</i>	<i>19</i>		
23	<i>75</i>	<i>Puja Kalita</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>4</i>	<i>17</i>	<i>2</i>	<i>5</i>	<i>7</i>	<i>6</i>	<i>18</i>		
24	<i>76</i>	<i>Rahul Saha</i>	<i>1</i>	<i>4</i>	<i>6</i>	<i>5</i>	<i>15</i>	<i>A</i>	<i>0</i>	<i>5</i>	<i>0</i>	<i>5</i>		
25	<i>77</i>	<i>Rajdeep Medak</i>	<i>1</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>16</i>	<i>2</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>16</i>		
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LP: Laboratory Performance;

VI: Viva Voce;

LR: Laboratory Record;

SY: Synopsys

**GIRIJANANDA CHOWDHURY INSTITUTE OF PHARMACEUTICAL SCIENCE
(GIPS)**

1st Sessional Practical Examination, 2019

Semester: B Pharm 3rd Semester

Sub: Physical Pharmaceutics I (Code: BP306B)

Full Marks: 20

1. Write Synopsis on: (Any one) (5)
 - a) Partition co-efficient of iodine between carbon tetrachloride and water.
 - b) Factors affecting solubility of drugs.
2. Perform the experiment as given. (10)
3. Viva; (5)

GIRIJANANDA CHOWDHURY INSTITUTE OF PHARMACEUTICAL SCIENCE

(GIPS)

2nd Sessional Practical Examination, 2019

Semester: B Pharm 3rd Semester

Sub: Physical Pharmaceutics I (Code: BP306P)

Full Marks: 20

1. Write Synopsis on: (Any one) (5)
 - a) Surface tension and its determination by drop count method.
 - b) HLB and its different determination methods.
2. Perform the experiment as given. (10)
3. Viva: (5)

ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

B. PHARM 3rd SEMESTER END-TERM PRACTICAL
EXAMINATION , 2019

PHYSICAL PHARMACEUTICS-I

BP306P

Full Marks: 35

Time: 3 Hours

GROUP A

1. Write Synopsis on: (5)
2. Major Experiment: (15)
Determine the partition co-efficient of benzoic acid between benzene and water.
3. Minor Experiment: (10)
Determine the surface tension of given liquid by drop count method.
4. Viva voce (5)

Internal Examiner

External Examiner

**Subject: Physical Pharmaceutics I (Theory),
Semester: 3rd semester, (BP302T)**

Course outcomes (COs)	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
CO1: Describe the properties of solution with different solubility expressions and determine the solubility of drugs.	M	L	M	L							
CO2: Demonstrate firm foundations in the fundamentals and application of physico-chemical properties of drug molecules and other states of matter relevant to pharmaceutical dosage forms.	H	L	M	L							
CO3: Explain the role of surfactant, interfacial phenomenon of solid-gas, solid-liquid & liquid-liquid interfaces and understand the idea of adsorption isotherms.	H	L		L							
CO4: Explain methods of tonicity adjustment of biological fluid and suggest buffers for pharmaceutical use and describe detailed idea of complexation of drug action & drug protein binding.	H	L		L			M		L		

Subject: Physical Pharmaceutics I (Practical)

Semester: 3rd semester (BP 306 P)

Course outcomes (COs)	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
CO1: Perform, record and analyze the results of physicochemical tests to describe property, identity, purity, solubility of substances.	M	H	M	L					L		L
CO2: Determine important analytical values by using modern instrumentation and classical techniques.	M	M	H	H					M		L
CO3: Conduct experiments and interpret data for development of safe intraperitoneal formulations.	M	M	M	L			M		M		

