

**Curriculum Plan**  
**Dr. Tarkeshwar**

B.Sc. (P) Life Sciences II Year  
**Paper: Physiology and Biochemistry**  
**Month-wise plan for Practical**

Shared with: Dr. Manisha A. Pandit

Assigned: Practical Group 4, 4 Period

Units to be taught:

| Month     | Weekly schedule                        | Practical Exercise to be covered  |
|-----------|--|---|
| August    | 4 <sup>th</sup> week                   | Preparation of hemin crystals.  |
| September | 1 <sup>st</sup> week                   | Preparation of hemochromogen crystals.  |
|           | 2 <sup>nd</sup> week                   | Qualitative tests to identify functional groups of carbohydrates in given solutions (Glucose, Fructose, Sucrose, Lactose) |
|           | 3 <sup>rd</sup> – 4 <sup>th</sup> week | Study of activity of salivary amylase under optimum conditions.   |
| October   | 1 <sup>st</sup> – 3 <sup>rd</sup> week | Study of permanent histological sections of mammalian pituitary, thyroid, pancreas, adrenal gland.                        |
|           |  | Study of permanent slides of spinal cord, duodenum, liver, lung, kidney, bone, cartilage.                                 |
|           | 3 <sup>rd</sup> – 4 <sup>th</sup> week | Estimation of total protein in given solutions by Lowry's method.   |
| November  | 1 <sup>st</sup> week                   | Revision  |
|           | 2 <sup>nd</sup> week                   | Mock Practical  |
|           | 3 <sup>rd</sup> -4 <sup>th</sup> week  | File checking and revision  |
| December  |  | Practical Examination   |