

**Barasat Government College  
Department of Zoology  
Session 2022-23**

# **Value added course on**



## **A Complete Practical Guide Course on Human Blood Cell Count, Hemoglobin Estimation and Interpretation of Diseases**

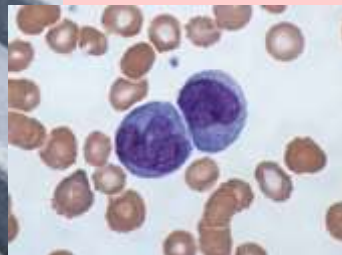
(Duration= 1<sup>st</sup> February 2023 to 31<sup>st</sup> May 2023)

Total=36 Hrs.

### **Course Objective:**

To impart job oriented skill through hands on experience of **BLOOD CELL ANALYSIS**

**Course Coordinator  
Dr. Enamul Haque**





GOVERNMENT OF WEST BENGAL

# BARASAT GOVERNMENT COLLEGE

NAAC ACREDITED 'A' GRADE & DST-FIST SPONSORED COLLEGE

10, K.N.C. Road, Barasat, Kolkata - 700124, West Bengal, India  
Phone: (033) 2552 3365, Fax: (033) 2562 5053, E-Mail: [principal@bgc.ac.in](mailto:principal@bgc.ac.in)

## POST GRADUATE DEPARTMENT OF ZOOLOGY

### NOTICE

A value added course will be arranged for B.Sc. and M.Sc. Zoology students on and from 1<sup>st</sup> February 2023 to 31<sup>st</sup> May 2023 (Total 36 Hrs.) in the Department of ZOOLOGY.

**COURSE TITLE: A Complete Practical Guide Course on Human Blood Cell Count, Haemoglobin Estimation and Interpretation of Diseases**

*Sumana Saha 19.1.2023*  
Dr. Sumana Saha  
Head  
Post Graduate Dept. of Zoology  
Barasat Govt. College

*A. Khattrya*

Countersigned  
Principal

Barasat Govt. College  
*Principal*  
Barasat Government College



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**Department of Zoology**  
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**Report**

**Value added course on**

**A Complete Practical Guide Course on Human Blood Cell Count,  
Hemoglobin Estimation and Interpretation of Diseases**

(Duration= 1<sup>st</sup> February 2023 to 31<sup>st</sup> May 2023)

**Total=36 Hrs.**

**Course Objective:**

To impart job oriented skill through hands on experience of **BLOOD CELL ANALYSIS**

**Candidates= UG and PG students, Department of Zoology**

**Course Content:**

**Day 1:** Theoretical classes on blood cell classification and identification of the cells (3 Hrs)

**Day 2:** Theoretical classes on blood cell morphology (3 Hrs)

**Day3:** Theoretical classes on stain, dye, fixatives and Composition of different Stains (3 Hrs)

**Day 4:** Theoretical classes on different blood related diseases like anaemia, cancer, septicemia, leukemia (6 Hrs)

**Day 5:** Theoretical classes on blood clotting, hemoglobin structure, function (3 Hrs)

**Day 6:** Collection of human blood, blood cell counting (6 Hrs)

**Day 7:** Laboratory classes on hemoglobin estimation (6 Hrs)

**Day 8:** Assessment of students (6 Hrs)

**Total=36 Hrs**

**Course Outcome:**

At the completion of the course the students should be:

(a) Aware of the various human blood related diseases