

**MAHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR**

**Class: B.Sc. I (Semester I)**

**Lesson Plan: 2025-26**

**Subject: Zoology Practical**

Date	Lecture No.	Teacher's Name	Paper/ Unit	Chapter	Topic
1/8/2025	1	VK Singh	I	Cell Biology & Cytogenetic lab	To study different cell types such as buccal cells, neurons, striated muscles cells using Methylene blue
1/8/2025	2	VK Singh			To study different cell types such as buccal epithelial cells, neurons, striated muscles cells using Methylene blue
2/8/2025	3	VK Singh			To study the different stages of mitosis in root tip of onion.
2/8/2025	4	VK Singh			To study the different stages of mitosis in root tip of onion.
8/8/2025	5	VK Singh			To study the different stages of meiosis in Grasshopper testis.
8/8/2025	6	VK Singh			To study the different stages of meiosis in Grasshopper testis.
22/8/2025	7	VK Singh			To prepare molecular models of nucleotides, amino acids, dipeptides using bead and stick method.
22/8/2025	8	VK Singh			To prepare molecular models of nucleotides, amino acids, dipeptides using bead and stick method.
23/8/2025	9	VK Singh			To check the permeability of cells using salt solution of different concentrations.
23/8/2025	10	VK Singh			To check the permeability of cells using salt solution of different concentrations.
29/8/2025	11	VK Singh	II		To study different mammalian blood cell types using Leishhman stain.
29/8/2025	12	VK Singh			To study different mammalian blood cell types using Leishhman stain.
30/8/2025	13	VK Singh			Determination of ABO blood group.
30/8/2025	14	VK Singh			Determination of ABO blood group.
6/9/2025	1	RN Singh/ VK Singh			Determination of ABO blood group.
6/9/2025	15	RN Singh/ VK Singh			Determination of ABO blood group.
12/9/2025	2	RN Singh/ VK Singh			Determination of ABO blood group.
12/9/2025	16	RN Singh/ VK Singh			Determination of ABO blood group.
13/9/2025	3	RN Singh/ VK Singh			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
13/9/2025	17	RN Singh/ VK Singh			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
19/9/2025	4	RN Singh/ VK Singh			Cell counting and viability test from splenocytes of farm bred animals/cell lines.

19/9/2025	18	RN Singh/ VK Singh			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
20/9/2025	5	RN Singh/ VK Singh			Enumeration of red blood cells and white blood cells using haemocytometer.
20/9/2025	19	RN Singh/ VK Singh			Enumeration of red blood cells and white blood cells using haemocytometer.
26/9/2025	6	RN Singh/ VK Singh			Enumeration of red blood cells and white blood cells using haemocytometer.
26/9/2025	20	RN Singh/ VK Singh			Enumeration of red blood cells and white blood cells using haemocytometer.
27/9/2025	7	RN Singh/ VK Singh	III		Study of mutant phenotypes of <i>Drosophila</i> .
27/9/2025	21	RN Singh/ VK Singh			Study of mutant phenotypes of <i>Drosophila</i> .
3/10/2025	8	RN Singh/ VK Singh			Study of mutant phenotypes of <i>Drosophila</i> .
3/10/2025	22	RN Singh/ VK Singh			Study of mutant phenotypes of <i>Drosophila</i> .
4/10/2025	9	RN Singh/ VK Singh			Study of mutant phenotypes of <i>Drosophila</i> .
4/10/2025	23	RN Singh/ VK Singh			Study of mutant phenotypes of <i>Drosophila</i> .
10/10/2025	10	RN Singh/ VK Singh			To prepare family pedigrees.
10/10/2025	24	RN Singh/ VK Singh			To prepare family pedigrees.
11/10/2025	11	RN Singh/ VK Singh			To prepare family pedigrees.
11/10/2025	25	RN Singh/ VK Singh			To prepare family pedigrees.
24/10/2025	12	RN Singh/ VK Singh			Preparation of polytene chromosome.
24/10/2025	26	RN Singh/ VK Singh			Preparation of polytene chromosome.
25/10/2025	13	RN Singh/ VK Singh			Preparation of polytene chromosome.
25/10/2025	27	RN Singh/ VK Singh			Preparation of polytene chromosome.
31/10/2025	14	RN Singh/ VK Singh			Preparation of polytene chromosome.
31/10/2025	28	RN Singh/ VK Singh			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
1/11/2025	15	RN Singh/ VK Singh			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
1/11/2025	29	RN Singh/ VK Singh			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).

7/11/2025	16	RN Singh/ VK Singh			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
7/11/2025	30	RN Singh/ VK Singh			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.
8/11/2025	17	RN Singh/ VK Singh			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.
8/11/2025	31	RN Singh/ VK Singh			Revision
14/11/2025	18	RN Singh/ VK Singh			Revision
14/11/2025	32	RN Singh/ VK Singh			Revision
15/11/2025	19	RN Singh/ VK Singh			Revision
15/11/2025	33	RN Singh/ VK Singh			Revision