

MHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR

Class: B.Sc. I (Semester I)

Lesson Plan: 2022-23

Subject: Zoology Practical

Date	Lecture No.	Teacher's Name	Paper/ Unit	Chapter	Topic
19.8.2022			I	Cell Biology & Cytogenetic lab	To study different cell types such as buccal cells, neurons, striated muscles cells using Methylene blue
19.8.2022		R.N.Singh/ SK/VKS			To study different cell types such as buccal epithelial cells, neurons, striated muscles cells using Methylene blue
20.8.2022		R.N.Singh/ SK/VKS			To study the different stages of mitosis in root tip of onion.
20.8.2022		R.N.Singh/ SK/VKS			To study the different stages of mitosis in root tip of onion.
26.8.2022		R.N.Singh/ SK/VKS			To study the different stages of meiosis in Grasshopper testis.
26.8.2022		R.N.Singh/ SK/VKS			To study the different stages of meiosis in Grasshopper testis.
27.8.2022		R.N.Singh/ SK/VKS			To prepare molecular models of nucleotides, amino acids, dipeptides using bead and stick method.
27.8.2022		R.N.Singh/ SK/VKS			To prepare molecular models of nucleotides, amino acids, dipeptides using bead and stick method.
1.9.2022		R.N.Singh/ SK/VKS			To check the permeability of cells using salt solution of different concentrations.
1.9.2022		R.N.Singh/ SK/VKS			To check the permeability of cells using salt solution of different concentrations.
2.9.2022		R.N.Singh/ SK/VKS	II		To study different mammalian blood cell types using Leishhman stain.
2.9.2022		R.N.Singh/ SK/VKS			To study different mammalian blood cell types using Leishhman stain.
10.9.22		R.N.Singh/ SK/VKS			Determination of ABO blood group.
10.9.22		R.N.Singh/ SK/VKS			Determination of ABO blood group.
16.9.2022		R.N.Singh/ SK/VKS			Determination of ABO blood group.
16.9.2022		R.N.Singh/ SK/VKS			Determination of ABO blood group.
23.9.2022		R.N.Singh/ SK/VKS			Determination of ABO blood group.
23.9.2022		R.N.Singh/ SK/VKS			Determination of ABO blood group.
24.9.2022		R.N.Singh/ SK/VKS			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
24.9.2022		R.N.Singh/ SK/VKS			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
30.9.2022		R.N.Singh/ SK/VKS			Cell counting and viability test from splenocytes of farm bred animals/cell lines.

30.9.2022		R.N.Singh/ SK/VKS			Cell counting and viability test from splenocytes of farm bred animals/cell lines.
1.10.2022		R.N.Singh/ SK/VKS			Enumeration of red blood cells and white blood cells using haemocytometer.
1.10.2022		R.N.Singh/ SK/VKS			Enumeration of red blood cells and white blood cells using haemocytometer.
7.10.2022		R.N.Singh/ SK/VKS			Enumeration of red blood cells and white blood cells using haemocytometer.
7.10.2022		R.N.Singh/ SK/VKS			Enumeration of red blood cells and white blood cells using haemocytometer.
8.10.2022		R.N.Singh/ SK/VKS	III		Study of mutant phenotypes of <i>Drosophila</i> .
8.10.2022		R.N.Singh/ SK/VKS			Study of mutant phenotypes of <i>Drosophila</i> .
14.10.2022		R.N.Singh/ SK/VKS			Study of mutant phenotypes of <i>Drosophila</i> .
14.10.2022		R.N.Singh/ SK/VKS			Study of mutant phenotypes of <i>Drosophila</i> .
15.10.2022		R.N.Singh/ SK/VKS			Preparation of polytene chromosome.
15.10.2022		R.N.Singh/ SK/VKS			Preparation of polytene chromosome.
28.10.2022		R.N.Singh/ SK/VKS			Preparation of polytene chromosome.
28.10.2022		R.N.Singh/ SK/VKS			Preparation of polytene chromosome.
29.10.2022		R.N.Singh/ SK/VKS			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
29.10.2022		R.N.Singh/ SK/VKS			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
5.11.2022		R.N.Singh/ SK/VKS			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
5.11.2022		R.N.Singh/ SK/VKS			Study of sex chromatin (Barr bodies) in buccal smear and hair bud cells (Human).
11.11.2022		R.N.Singh/ SK/VKS			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.
11.11.2022		R.N.Singh/ SK/VKS			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.
12.11.2022		R.N.Singh/ SK/VKS			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.
12.11.2022		R.N.Singh/ SK/VKS			Preparation of human karyotype and study the chromosomal aberration with respect to number, translocation, deletion etc. from the picture provided.

18.11.2022		R.N.Singh/ SK/VKS			To prepare family pedigrees.
18.11.2022		R.N.Singh/ SK/VKS			To prepare family pedigrees.
19.11.2022		R.N.Singh/ SK/VKS			To prepare family pedigrees.
19.11.2022		R.N.Singh/ SK/VKS			To prepare family pedigrees.
25.11.2022		R.N.Singh/ SK/VKS			Revision
25.11.2022		R.N.Singh/ SK/VKS			Revision
26.11.2022		R.N.Singh/ SK/VKS			Revision
26.11.2022		R.N.Singh/ SK/VKS			Revision

