

KENDRIYA VIDYALAYA GUMLA			
EXPERIMENT/ ACTIVITIES CONDUCTED IN BIOLOGY			
S.NO	NO. OF STUDENTS	CLASS	NAME OF EXPT./ACTIVITIES
1	9	XII	Prepare a temporary mount to observe pollen germination.
2	9	XII	Study the plant population density by quadrat method.
3	9	XII	Study the plant population frequency by quadrat method
4	9	XII	Prepare a temporary mount of onion root tip to study mitosis.
5	9	XII	Flowers adapted to pollination by different agencies (wind, insects, birds)
6	9	XII	Pollen germination on stigma through a permanent slide or scanning electron micrograph.
7	8	XII	Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides
8	9	XII	Meiosis in onion bud cell or grasshopper testis through permanent slides.
9	9	XII	T.S. of blastula through permanent slides (Mammalian).
10	9	XII	Prepared pedigree charts of any one of the genetic traits such as rolling of tongue
11	9	XII	Common disease causing organisms like Ascaris, Entamoeba, Plasmodium through permanent slides
1	74	x	Preparing a temporary mount of a leaf peel to show stomata.
2	74	x	Experimentally show that carbon dioxide is given out during respiration.
3	74	x	Assignment given, Portfolio given
1		IX	Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.
2			Identification of Parenchyma, Collenchyma and Sclerenchyma
3			Assignment given, Portfolio given
1	11	XI	Study and describe locally available common flowering plants, from family Solanaceae
2	11	XI	type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
3	11	XI	Preparation and study of T.S. of dicot and monocot roots and stems
4	11	XI	Study of distribution of stomata on the upper and lower surfaces of leaves