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	A. List of experiments to be performed			
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2	Study of plasmolysis in epidermal peels.	9 - 12		
3	Study of structure and distribution of stomata on upper and lower surfaces of leaf.	13 - 17		
4	Study of pollen germination on slide.	18 - 21		
5	Study of soil samples at least from two different localities/ sites with respect to their texture and pH and correlate plants found thereof.	22 - 27		
6	Study of suspended particulate matter in air at the two widely different sites, in your area.	28 - 31		
7	Study of water samples collected from different water bodies for their pH, clarity and presence of living organisms (microscopic/ planktonic).	32 - 37		
8	Study of population density and frequency of different plant populations, by quadrat method.	38 - 41		
9	Isolation of DNA from given sample.	42 - 44		
10	Dissect and display floral whorls. Dissect anther and take T. S. or V. S. of ovary to show pollen grains and locules of ovary, respectively.	45 - 49		
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13	Detection of commonly used adulterants in milk.	57 - 60		
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B. Demonstration experiments (Spotting)				
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2	Separation of plant pigments by paper chromatography.	73 - 75		
3	Study of imbibition by using dried seeds/ raisins.	76 - 78		
4	Study of flowers adapted to pollination by different pollinating agencies (Wind and Insects)	79 - 82		
5	Study of V. S. of anatropus ovule through a permanent slide/ relevant chart.	83 - 86		
6	Study of T. S. testis, T. S. ovary and V. S. of blastula, through permanent slides.	87 - 93		
7	Study of meiosis in onion flower bud with the help of permanent slides.	94 - 100		
8	Study of plants found in xerophytic and aquatic conditions/ habitats. And comment on their adaptations.	101 - 106		
9	Demonstration of hybridization technique.	107 - 109		
10	To study the prepared pedigree charts of genetic traits such as rolling of tongue, widow's peak, blood groups and colour blindness.	110 - 116		
11	Study of morphological adaptations of animals, found in xeric and aquatic conditions or habitats.	117 - 121		
12	To identify common disease causing organisms like *Plasmodium*, *Entamoeba*, *Ascaris* and Ringworm with the help of permanent slides and or specimens. Comment on symptoms of diseases that they cause.	122 - 126		
13	Study of structure or parts of human eye, ear and brain with the help of models or charts.	127 - 131		
14	Observe the prepared slide of blood smear to identify different types of blood cells.	132 - 137		