CONTENTS

1	Plant Systematics	3–8	23.	Proteins: Structure,	
	Plant Cell Wall	9–11	20.	Classification and Properties	104-110
	Cell Membrane	12–16	24.	Carbohydrates	111–116
	Anatomy of Root	17–19	25.	Fat Metabolism	117–123
	Anatomy of Stem	20–21	26.	Plant Movement (Tropical and	
	Anatomy of Leaf	22–23		Nastic Movement)	124–128
	Meristems	24–25	27.	Recombinant DNA Technology and Genetic Engineering	, 129–137
8.	Secondary Growth	26–28	28	Sex-linked Inheritance	138–140
	Stelar System	29–32		Breeding Self-pollinated Crops	130-140
	Cell Cycle and Somatic Cell Division (Mitosis)	33–37	29.	by Hybridization (Back-Cross Method)	141–142
11.	Reduction Division (Meiosis)	38-41	30.	Male (♂) Sterility in Plants	143–145
12.	Life Cycle (Reproduction and Development) in Angiosperm	42–46	31.	Mutation (Gene Mutation, Induction of Mutation)	146–151
13.	Plant Pollination	47–51	32.	Biosphere (Atmosphere,	
14.	Microsporogenesis (Structure and	d		Lithosphere and Hydrosphere)	152–156
	Development of Pollen Grains in	52–55	33.	Plant Population Dynamics	157–161
15	Angiosperms)	32–33	34.	Ecosystem	162–166
13.	Clonal and Artificial Propagation	56-60	35.	Ecological (Biological) Indicators	167–168
16.	Application of Plant Cell, Tissue and Organ Culture in Agriculture	61–63	36.	The Community	169–173
17.	Nitrogen Metabolism	64–68	37.	Edaphic Factor	174–178
	Amino Acids	69–74	38.	Ecological Succession (Hydrosere)	179–181
19.	Vitamins	75–79	39	Economic Importance of Algae	
20.	Photoperiodism	80–82		Economic Importance of Fungi	
21.	Respiration	83–90		Economic Importance of	
22.	Photosynthesis	91–103		Lichens	191–192