## **581.1 MEY**

## **CONTENTS**

CHAPTER	PAGE
1. INTRODUCTION	12
2. SOLUTIONS AND COLLOIDAL SYSTEMS	8
3. PLANT CELLS	27
4. DIFFUSION, OSMOSIS, AND IMBIBITION	44
5. WATER RELATIONS OF PLANT CELLS	63
6. LOSS OF WATER FORM PLANTS	77
7. ABSORPTION OF WATER	103
8. INTERNAL WATER RELATIONS	130
9. ENZYMES AND PIGMENTS	166
10. PHOTOSYNTHESIS	190
11. FACTORS AFFECTING PHOTOSYNTHESIS	206
12. CARBOHYDRATE AND FAT METABOLISM	230
13. RESPIRATION	258
14. MECHANISM OF RESPIRATION	276
15. ABSORPTION AND UTILIZATION OF MINERAL SALTS	296
16. NITROGEN METABOLISM	327
17. TRANSLOCATION OF SOLUTES	348
18. PLANT HORMONES	375
19. VEGETATIVE GROWTH	400
20. ENVIRONMENTAL FACTORS INFLUENCING VEGETATIVE GROWTH	422
21. REPRODUCTIVE GROWTH	454
22. ENVIRONMENTAL FACTORS INFLUENCING REPRODUCTIVE GROWTH	470
23. GROWTH CORRELATIONS AND PERIDICITY	489
24. GERMINNATION AND DORMANCY	510
INDEX	529