

# CONTENTS

FOREWORD	iii
PREFACE	v
Chapter 1	
<b>CROP PRODUCTION AND MANAGEMENT</b>	1
Chapter 2	
<b>MICROORGANISMS : FRIEND AND FOE</b>	17
Chapter 3	
<b>SYNTHETIC FIBRES AND PLASTICS</b>	32
Chapter 4	
<b>MATERIALS : METALS AND NON-METALS</b>	44
Chapter 5	
<b>COAL AND PETROLEUM</b>	56
Chapter 6	
<b>COMBUSTION AND FLAME</b>	64
Chapter 7	
<b>CONSERVATION OF PLANTS AND ANIMALS</b>	77
Chapter 8	
<b>CELL — STRUCTURE AND FUNCTIONS</b>	90
Chapter 9	
<b>REPRODUCTION IN ANIMALS</b>	100
Chapter 10	
<b>REACHING THE AGE OF ADOLESCENCE</b>	113

# CONTENTS

Chapter 11		
<b>FORCE AND PRESSURE</b>		127
Chapter 12		
<b>FRICTION</b>		146
Chapter 13		
<b>SOUND</b>		157
Chapter 14		
<b>CHEMICAL EFFECTS OF ELECTRIC CURRENT</b>		172
Chapter 15		
<b>SOME NATURAL PHENOMENA</b>		184
Chapter 16		
<b>LIGHT</b>		199
Chapter 17		
<b>STARS AND THE SOLAR SYSTEM</b>		215
Chapter 18		
<b>POLLUTION OF AIR AND WATER</b>		239
<b>INDEX</b>		253