CONTENTS

1. Introduction to Computer **1**
- ✤ What is Computer? 1
- ✤ Brief History 1
- ✤ Generations of Computer 3
- ✤ Computer's Components 6
- ✤ Requirement for Working of a Computer System 9
- ✤ Applications of Computer 14
- ✤ Applications of Computer in the Field of Nursing 17

2. Disk and Windows Operating System **22**
- ✤ Main Functions of Operating System 23
- ✤ Classification of Operating Systems 23
- ✤ Disk Operating System 24
- ✤ Windows Operating System 27
- ✤ DOS and Windows Comparison 29

3. Microsoft Office **32**
- ✤ Needs of Microsoft Office 32
- ✤ Components of Microsoft Office 33

4. Multimedia **45**
- ✤ Etymology of the Multimedia 46
- ✤ Multimedia and its Older Formats 46
- ✤ Multimedia and its Relation with Education 46
- ✤ Importance of Multimedia in the Education Technology 47
- ✤ Features of Multimedia 47
- ✤ Important Components of Multimedia 48
- ✤ Types of Multimedia 49
- ✤ Uses of Multimedia 50
- ✤ Computer-aided Teaching and Testing 51

5. Internet **61**
- ✤ Network Devices 62
- ✤ Transmission Media 62
- ✤ Network Topology 65
- ✤ Internet 67
- ✤ Definition 68
- ✤ Web and Internet 68
- ✤ Features of Internet 69
- ✤ History of Internet 69
- ✤ Main Components of Internet 71
- ✤ Use of the Internet 73

6. Statistical Packages: Types and its Features **77**
- ✤ Types of Statistics 77
- ✤ Statistical Packages 78
- ✤ Statistical Package for the Social Sciences 79
- ✤ Statistical Analysis System 81
- ✤ STATA 81
- ✤ R 83
- ✤ RapidMiner 84

7. Hospital Management System **88**
- ✤ Features of Hospital Management System 89
- ✤ Main Modules of Hospital Management System 90
- ✤ Automation of Hospitals with Some Popular Hospital Management Systems 96

Index *105*