

# CONTENTS

## Chapter 1

### INTRODUCTION TO COMPUTER

Introduction.....	2
Characteristics of computer .....	3
Abbreviation.....	5
Glossary .....	5
Technical Terms .....	5
Exercise.....	5

## Chapter 2

### HISTORY AND GENERATION OF COMPUTER

Introduction.....	8
Computer generations .....	13
Abbreviation.....	16
Glossary .....	16
Technical Terms .....	17
Exercise .....	18

## Chapter 3

### TYPES OF COMPUTER

Types of computers .....	20
General purpose computers.....	20
Special purpose computer .....	20
Classification of computers on the basis of work	21
Classification of computers on the basis of size	23
On the basis of brand .....	26
On the basis of model .....	27
Abbreviations .....	28
Glossary .....	28
Technical Terms.....	28
Exercise .....	29

## Chapter 4

### COMPUTER SYSTEM

Introduction.....	32
Input unit.....	33
Central processing unit (CPU) .....	33
Control unit .....	34
Arithmetic logic unit (ALU).....	34
Registers.....	35
Memory unit.....	35
Output unit.....	35
Abbreviations .....	36
Glossary .....	36
Technical terms .....	37
Exercise.....	37

## Chapter 5

### COMPUTER HARDWARE

Introduction.....	40
Motherboard.....	40
Microprocessor .....	41
Computer memory .....	42
Primary memory.....	42
Types of rom .....	44
Secondary memory .....	45
Input Unit.....	51
Monitors .....	55
Printer .....	57
Power supply devices.....	62
Modem.....	63
Abbreviations .....	63
Glossary .....	64
Exercise.....	65

## Chapter 6

# COMPUTER SOFTWARE AND PROGRAMMING LANGUAGE

Introduction.....	64
Software.....	68
System software .....	68
Operating system.....	69
Utility software.....	69
Language translator .....	70
Other software.....	72
Programming .....	73
Examples of high level languages.....	76
Abbreviations .....	76
Glossary .....	77
Technical terms .....	77
Exercise .....	77

## Chapter 7

# INFORMATION TECHNOLOGY POLICY, 2010

Information technology policy 2010 .....	80
Exercise .....	92

## Chapter 8

# NUMBER SYSTEM

Introduction.....	84
Conversion.....	86
Bit, Nibble and Byte .....	93
K & M (Kilo and Mega).....	94
Addition and multiplication tables .....	95
Arithmetic operations .....	95
Binary divison .....	97
Exercise .....	98

## Chapter 9

# OPERATING SYSTEM-DOS

Introduction .....	102
Features of OS .....	102
Types of OS.....	102
Ms- DOS .....	103
Function of DOS .....	103
Limitations of DOS.....	104
Bootting.....	104
The boot process .....	105
System files of DOS.....	106
Some files of DOS .....	106
Dos error massage .....	108
Basic terms .....	108
Extension .....	108
Directory .....	109
Drive letters and drive.....	110
Prompt .....	111
Devices.....	111
Default drive.....	111
Path .....	111
Volume level.....	112
Wild card characters of DOS.....	112
Additional information .....	112
Internal and external commands.....	112
Some internal commands .....	114
External commands.....	121
<b>Abbreviations .....</b>	<b>124</b>
<b>Glossary .....</b>	<b>124</b>
<b>Exercise.....</b>	<b>125</b>

## Chapter 10

### WINDOWS 7

What is an operating system? .....	130
Windows 7 .....	130
Starting your computer .....	131
The desktop overview .....	131
The recycle bin .....	133
New with the windows 7 desktop .....	134
Font .....	135
Customize the start menu .....	137
User account .....	142
Dialog and controls in windows 7 .....	144
Compulsorily we need to shut down .....	149
Glossary .....	149
Exercise .....	149

## Chapter 11

### COMPUTER PROGRAMMING

Introduction .....	152
Software .....	152
Types of software .....	152
Programming language .....	153
Language translator .....	155
Program development cycle .....	155
Abbreviations .....	157
Glossary .....	158
Exercise .....	158

## Chapter 12

### ALGORITHM AND FLOWCHART

Introduction .....	160
Algorithm .....	160
Flowchart .....	161
Exercise .....	170

## Chapter 13

### INTRODUCTION TO QBASIC

Introduction.....	172
Hardware requirements .....	172
Getting started qbasic.....	172
Qbasic interface.....	175
Menu.....	176
Abbreviations .....	179
Glosarry .....	180
Exercise.....	180

## Chapter 14

### BASIC ELEMENT OF QBASIC

Introduction.....	182
Character set.....	182
Reserved word .....	183
User defined words .....	183
Variable.....	184
Numeric variable .....	184
String variable .....	185
Assigning value to the variable.....	185
Declaring variables.....	186
Constant.....	186
Types of constant.....	187
Long integer constant.....	187
String constant .....	188
Const statement.....	188
Operators .....	188
Types of operators .....	189
Precedence of operators .....	191
Mathematical expression and basic expression	192
Exercise.....	193

## Chapter 15

### BASIC OF QBASIC STATEMENT

Introduction.....	196
Cls command.....	197
End statement.....	197
Rem statement.....	197
Let statement.....	198
Input statement.....	199
Print statement.....	200
Print using statement.....	201
Lprint statement.....	203
Lprint using statement.....	203
Locate statement.....	203
Tab function.....	204
Spc function.....	204
Read .... Data statement.....	205
Programming answers.....	206
Case study.....	208
Exercise.....	208

## Chapter 16

### DECISION STATEMENT

Introduction.....	212
The if statement.....	212
Types of if statement.....	212
Programs.....	220
Case study.....	222
Exercise.....	223

## Chapter 17

### LOOPING STATEMENT

Introduction.....	230
Definition.....	230
Types of looping statement.....	230
Programs.....	240
Case study.....	244
Exercise.....	244

## Chapter 18

### LIBRARY FUNCTION

Introduction.....	252
Mathematical functions .....	252
Other function.....	260
Technical terms .....	263
Case study .....	263
Exercise.....	264

## Chapter 19

### ARRAY

Introduction.....	268
Definition.....	268
Declaration of array.....	268
Types of array .....	269
One dimension array.....	270
Searching.....	271
Swap statement .....	272
Sorting .....	272
Two dimensional array.....	273
Case study .....	277
Technical terms .....	279
Exercise.....	279

## Chapter 20

### HTML

HTML , Webpage and Computer .....	284
Introduction.....	284
Creating HTML Document.....	285
HTML formatting tags .....	286
Glossary .....	299
Exercise.....	300