

Contents

Course Overview	xi
MODULE 1: BASIC OPERATIONS	1.1
Unit 1:	
Digits, Numbers, and Figures	1.3
Exercise	1.7
Summary	1.10
Formative Test 1	1.11
Unit 2:	
Addition, Subtraction, Multiplication, and Division	1.13
Exercise	1.16
Summary	1.20
Formative Test 2	1.20
Unit 3:	
Fractions	1.23
Exercise	1.28
Summary	1.32
Formative Test 3	1.32
Unit 4:	
Powers and Roots	1.35
Exercise	1.38
Summary	1.42
Formative Test 4	1.42
Unit 5:	
Proportions, Percentages, and Averages	1.44
Exercise	1.48
Summary	1.51
Formative Test 5	1.52
Unit 6:	
Factors, Equations, and Formulae	1.54
Exercise	1.57
Summary	1.60
Formative Test 6	1.60

KEYS TO THE FORMATIVE TEST	1.62
BIBLIOGRAPHY	1.63
MODULE 2: SHAPES AND DIMENSIONS	2.1
Unit 1:	
Lines and Angles	2.3
Exercise	2.6
Summary	2.10
Formative Test 1	2.10
Unit 2:	
Two Dimensional Shapes	2.13
Exercise	2.20
Summary	2.25
Formative Test 2	2.25
Unit 3:	
Three Dimensional Shapes	2.28
Exercise	2.33
Summary	2.39
Formative Test 3	2.39
Unit 4:	
Graphs and Values	2.42
Exercise	2.48
Summary	2.52
Formative Test 4	2.52
KEYS TO THE FORMATIVE TEST	2.55
BIBLIOGRAPHY	2.56
MODULE 3: POSITIONS AND MOVEMENTS	3.1
Unit 1:	
Positions	3.3
Exercise	3.5
Summary	3.9
Formative Test 1	3.10

Unit 2:	
Movements	3.12
Exercise	3.18
Summary	3.22
Formative Test 2	3.22
Unit 3:	
Actions	3.25
Exercise	3.29
Summary	3.34
Formative Test 3	3.34
Unit 4:	
Directions	3.37
Exercise	3.43
Summary	3.47
Formative Test 4	3.48
KEYS TO THE FORMATIVE TEST	3.50
BIBLIOGRAPHY	3.51
MODULE 4: MEASUREMENTS	4.1
Unit 1:	
Metric System	4.3
Exercise	4.4
Summary	4.11
Formative Test 1	4.11
Unit 2:	
Quantity, Ratio, and Proportion	4.14
Exercise	4.17
Summary	4.24
Formative Test 2	4.24
Unit 3:	
Frequency, Tendency, and Probability	4.27
Exercise	4.29
Summary	4.36
Formative Test 3	4.36

Unit 4:	
Measuring Instruments	4.39
Exercise	4.41
Summary	4.46
Formative Test 4	4.46
KEYS TO THE FORMATIVE TEST	4.49
BIBLIOGRAPHY	4.50
MODULE 5: PROCESS	5.1
Unit 1:	
Function and Ability	5.3
Summary	5.15
Formative Test 1	5.16
Unit 2:	
Action in Sequence	5.19
Summary	5.26
Formative Test 2	5.27
Unit 3:	
Cause and Effect	5.30
Summary	5.36
Formative Test 3	5.37
Unit 4:	
Method	5.40
Summary	5.46
Formative Test 4	5.46
KEYS TO THE FORMATIVE TEST	5.49
BIBLIOGRAPHY	5.50
MODULE 6: SOLID AND LIQUID SUBSTANCES	6.1
Unit 1:	
Introductory Notes	6.2
Exercise	6.3
Formative Test 1	6.9

Unit 2:	
Solid Substances	6.12
Exercise	6.14
Summary	6.21
Formative Test 2	6.21
Unit 3:	
Liquid Substances	6.25
Section 1: Oil Wells	6.25
Exercise	6.27
Section 2: Oil Refineries	6.31
Exercise	6.34
Summary	6.39
Formative Test 3	6.39
KEYS TO THE FORMATIVE TEST	6.42
SUMMATIVE TEST	6.43
KEY TO SUMMATIVE TEST	6.46
MODULE 7: LIQUID AND GASEOUS SUBSTANCES	7.1
Unit 1:	
Liquid Substances	7.3
Exercise	7.4
Formative Test 1	7.11
Unit 2:	
Conversion	7.13
Exercise	7.16
Formative Test 2	7.29
Unit 3:	
Water	7.32
Exercise	7.34
Formative Test 3	7.45
Unit 4:	
Gas	7.48
Exercise	7.49
Formative Test 4	7.53

SUMMATIVE TEST	7.56
KEYS TO THE FORMATIVE TEST	7.59
KEY TO SUMMATIVE TEST	7.61
MODULE 8: FAUNA AND FLORA	8.1
Unit 1:	
Fauna (Part 1)	8.3
Exercise	8.5
Summary	8.14
Formative Test 1	8.14
Unit 2:	
Fauna (Part 2)	8.19
Exercise	8.21
Summary	8.33
Formative Test 2	8.33
Unit 3:	
Flora (Part 1)	8.37
Exercise	8.39
Formative Test 3	8.48
Unit 4:	
Flora (Part 2)	8.52
Exercise	8.55
Formative Test 4	8.65
KEYS TO THE FORMATIVE TEST	8.69
SUMMATIVE TEST	8.71
KEY TO SUMMATIVE TEST	8.74
MODULE 9: TECHNOLOGY	9.1
Unit 1:	
Introductory Notes	9.2
Exercise	9.3
Formative Test 1	9.9

Unit 2:	
Simple or Traditional Technology	9.12
Exercise	9.13
Formative Test 2	9.17
Unit 3:	
Intermediate Technology	9.24
Exercise	9.25
Formative Test 3	9.31
Unit 4:	
Modern Technology	9.34
Exercise	9.35
Formative Test 4	9.41
Unit 5:	
Modern or High Technology	9.46
Exercise	9.47
Formative Test 5	9.56
KEYS TO THE FORMATIVE TEST	9.60
SUMMATIVE TEST	9.64
KEY TO SUMMATIVE TEST	9.67
BIBLIOGRAPHY	9.68