

NATIONAL CERTIFICATE N3 ENGINEERING STUDIES: BOILERMAKER

SUBJECT	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
1 Mechano- technology N3	Assignment 1	✓	100	Modules 1 to 4 Domestic appliances Protection Illumination Alternating current theory	Week 1: Study module 1 Week 2: Study module 2 Week 3: Study module 3 Week 4: Study module 4 Week 5: Complete & submit assignment 1*
	Assignment 2	✓	200	Modules 5 to 7 Transformers Direct current machines AC machines Measuring instruments Electronics	Week 6: Study module 5 Week 7: Study module 6 Week 8: Study module 7 Week 9: Complete & submit assignment 2*
	Assignment 3	✓	321	Modules 8 to 10 Revision	Week 10: Study module 8 Week 11: Study module 9 & 10 Week 12: Complete & submit assignment 3*

*Assessment Tool: Marking Memorandum

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2 Plating & Structural Steel Drawings N3	Assignment 1	✓	100	Modules 1 to 13 Fundamentals Definitions & terminology Geometry Parallel line developments Radial line development Triangulation Spiral developments Interpenetrations Advanced penetrations Double projection on pipes Calculations Plate thickness Structural steel detailing	Week 13: Study module 1
	Assignment 2	✓	100		Week 14: Study module 2 & 3
	Assignment 3	✓	100		Week 15: Study module 4
					Week 16: Study module 5
					Week 17: Study module 6
					Week 18: Study module 6
					Week 19: Study module 7 & 8
					Week 20: Study module 9 & 10
					Week 21: Study module 11 - 13
					Week 22: Complete & submit assignment 1*
					Week 23: Complete & submit assignment 2*
					Week 24: Complete & submit assignment 3*

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3 Engineering Science N3	Assignment 1	✓	124	Modules 1 to 8 Motion, power & energy Moments Forces Friction Heat Hydraulics Electricity Chemistry	Week 25: Study module 1
	Assignment 2	✓	135		Week 26: Study module 1
	Assignment 3	✓	110		Week 27: Study module 2
					Week 28: Study module 3
					Week 29: Study module 4
					Week 30: Study module 5
					Week 31: Study module 6
					Week 32: Study module 7
					Week 33: Study module 8
					Week 34: Complete & submit assignment 1*
					Week 35: Complete & submit assignment 2*
					Week 36: Complete & submit assignment 3*

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SUBJECT NO	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
4 Mathematics N3	Assignment 1	✓	100	Modules 1 to 4 Orientation Factors & fractions Exponents, surds & logarithms Equations	Week 37: Study module 1 Week 38: Study module 2 Week 39: Study module 3 Week 40: Study module 4 Week 41: Complete & submit assignment 1*
	Assignment 2	✓	120	Modules 5 to 8 Geometry of co-ordinates Sketch graphs Differential calculus Trigonometry	Week 42: Study module 5 Week 43: Study module 6 Week 44: Study module 7 Week 45: Study module 8 Week 46: Study module 8 Week 47: Complete & submit assignment 2*
	Assignment 3	✓	160	Modules 1 to 8 Revision	Week 48: Complete & submit assignment 3*

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