

**NATIONAL CERTIFICATE N3 ENGINEERING STUDIES: ELECTRICAL ENGINEERING**

SUBJECT NO	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
<b>1 Electrical Trade Theory N3</b>	Assignment 1	✓	100	<b>Modules 1 to 4</b> 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	✓	100	<b>Modules 5 to 9</b> 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: Study module 8 Week 10: Study module 9 Week 11: Complete & submit assignment 2*
	Assignment 3	✓	100	<b>Modules 1 to 9</b> Revision	Week 12: Complete & submit assignment 3*

\*Assessment Tool: Marking Memorandum

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SUBJECT NO	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
<b>2 Engineering Drawings N3</b>	Assignment 1	✓	208	<b>Modules 1 to 13</b> Fundamentals Geometrical constructions Orthographic projection Isometric projection ISO limits and fits Instruction notes Machining & surface texture symbols Sections Sectional drawings of single components Nuts, bolts & studs Sectional drawings of assemblies Assembly drawings Detail drawings	Week 13: Study module 1
	Assignment 2	✓	100		Week 14: Study module 2
	Assignment 3	✓	100		Week 15: Study module 3 & 5
					Week 16: Study module 4
					Week 17: Study module 6 - 8
					Week 18: Study module 9
					Week 19: Study module 10 & 11
					Week 20: Study module 12
					Week 21: Study module 13
					Week 22: Complete & submit assignment 1*
					Week 23: Complete & submit assignment 2*
					Week 24: Complete & submit assignment 3*

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SUBJECT NO	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
<b>3 Engineering Science N3</b>	Assignment 1	✓	124	<b>Modules 1 to 8</b> 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
<b>4 Mathematics N3</b>	Assignment 1	✓	100	<b>Modules 1 to 4</b> 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	<b>Modules 5 to 8</b> 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	<b>Modules 1 to 8</b> Revision	Week 48: Complete & submit assignment 3*

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