

NATIONAL CERTIFICATE N3 ENGINEERING STUDIES: MOTOR MECHANIC DIESEL

SUBJECT	ASSESSMENT TASK		MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
1 Diesel Trade Theory N3	Assignment 1	✓	102	Modules 1 to 13 Engines Valves Valve operating mechanisms Petrol injection Transistorised ignition Fluid clutches Epicyclic gear trains Reception & organisation of the workshop Safety precautions & regulations Workshops Power assisted steering Differentials, final drives & 4W drives Diesel fuel system	Week 1: Study module 1 Week 2: Study module 2 Week 3: Study module 3 Week 4: Study module 4 Week 5: Study module 5 & 6 Week 6: Study module 7 & 8 Week 7: Study module 9 & 10 Week 8: Study module 11 & 12 Week 9: Study module 13 Week 10: Complete & submit assignment 1* Week 11: Complete & submit assignment 2* Week 12: Complete & submit assignment 3*
	Assignment 2	✓	100		
	Assignment 3	✓	100		

*Assessment Tool: Marking Memorandum

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2 Engineering Drawings N3	Assignment 1	✓	208	Modules 1 to 13 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	ASSESSMENT TASK	MARK ALLOCATION	CONTENT COVERAGE	STUDY PROGRAMME
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	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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