

External Assessment 2021

ELECTRONICS

ELT315114

Part **1**

Pages	24
Questions	13
Information Sheets	1

Reading time: 15 minutes – you may begin writing during this time

Suggested working time: 90 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.
- Write your answers in the spaces provided in this exam paper.
 - Spare diagrams have been provided at the end of the exam booklet.
Indicate in the box provided if you have used the spare diagrams.
- A TASC approved scientific calculator can be used throughout the exam.
 - Show your working in answers to numerical questions.
- All answers must be written in **English**.
- You **must** make sure that your answers address:
 - Criterion 1 apply knowledge and skills in designing, testing, building, and experimenting with circuits.
 - Criterion 4 apply knowledge and understanding of digital and analogue circuits and their components.

Marker use	
C1	45
C4	45

Guide to Exam Structure

		Sections	Questions available	How many questions to answer	Suggested working time	Marks available
Part 1	1	Section A	6	6	45 minutes	45
		Section B	7	7	45 minutes	45
Part 2	2	Section C	6	6	45 minutes	45
		Section D	7	7	45 minutes	45
Total			26	26	180 minutes (3 hours)	180

External Assessment 2021

ELECTRONICS

ELT315114

Part **2**

Pages	28
Questions	13
Information Sheets	1

Suggested working time: 90 minutes

Instructions

- Attempt **all** questions and **all** parts within each question.
- Write your answers in the spaces provided in this exam paper.
 - Spare diagrams have been provided at the end of the exam booklet.
Indicate in the box provided if you have used the spare diagrams.
- A TASC approved scientific calculator can be used throughout the exam.
 - Show your working in answers to numerical questions.
- All answers must be written in **English**.
- You **must** make sure that your answers address:
 - Criterion 5 apply knowledge of digital and analogue systems in describing the function and operation of components and circuits
 - Criterion 7 apply knowledge and understanding of mathematical concepts in electronics.

Marker use	
C5	45
C7	45

Guide to Exam Structure

		Sections	Questions available	How many questions to answer	Suggested working time	Marks available
Part 1	1	Section A	6	6	45 minutes	45
		Section B	7	7	45 minutes	45
Part 2	2	Section C	6	6	45 minutes	45
		Section D	7	7	45 minutes	45
Total			26	26	180 minutes (3 hours)	180