



Leaving Certificate Examination

Technology
Ordinary Level

Sample Paper
Duration 2:00 hours

There are **three** Sections in this paper. Attempt **all three** Sections.

Section A: Core - Short-answer questions.

Section B: Core - Long-answer questions.

Section C: Options - Long-answer questions.

Section A - Core (72 marks)

Instructions:

- (a) Answer **any nine** questions in the spaces provided.
All questions in Section A carry 8 marks.
- (b) Draw all sketches in pencil.
- (c) Hand up this booklet at the end of the examination.
- (d) Write your examination number in the box provided
and on all other pages used.

Centre Number

Section	Mark
Section A	
Section B	
Section C	
Total	
Grade	

Examination Number:

Section A. Answer *any nine* questions. All questions carry 8 marks.

1. The graphic shows an electric kettle.
List three functional requirements of an electric kettle.

1: _____

2: _____

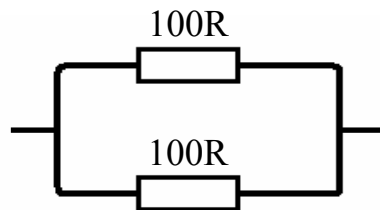
3: _____



2. Calculate the total resistance (**R**) in the following resistor combinations.



R = _____



R = _____

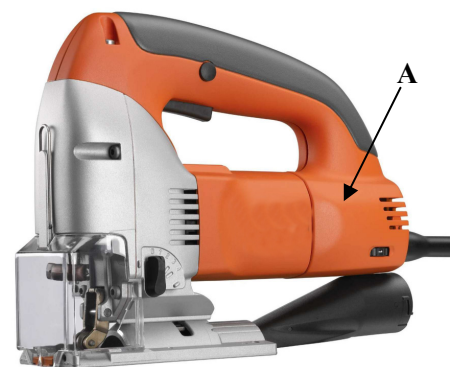
3. State two factors that must be considered when choosing a material for the casing **A** of the jigsaw shown.

1: _____

2: _____

Based on the factors outlined above, suggest a suitable material for the casing **A** of the jigsaw.

Material: _____



4. The graphics show the symbols for a SPST switch and a DPDT switch.



- (i) What do SPST and DPDT stand for?

SPST: _____

DPDT: _____

- (ii) Give one use for each of the switches.

SPST: _____

DPDT: _____

5. The graphic shows a racing bicycle.

Name a suitable material for the manufacture of the frame of such a bicycle.

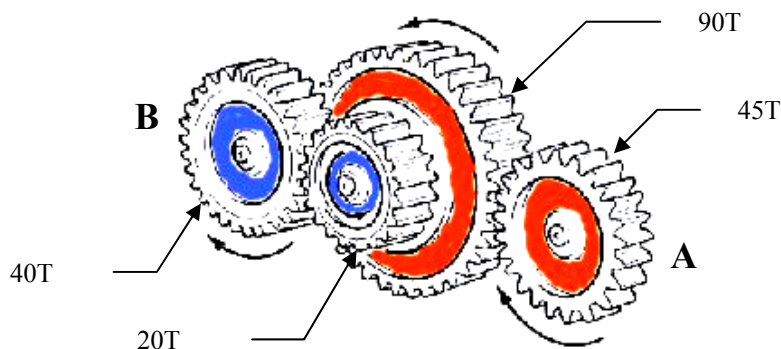
Material: _____



Give one property of the material which makes it suitable for the frame.

Property: _____

6. Calculate the speed of gear B if the speed of the driving gear A is 100 rev/min.



Calculation:

Speed of gear B:

7. State two ways in which a Gantt chart can help a student to manage a school-based project.

1. _____

2. _____

8. Name two computer input devices and two computer output devices.

Input device 1	
Input device 2	

Output device 1	
Output device 2	

9. The given symbol is shown on the side of a plastic drinks bottle.

Give one piece of information about the plastic conveyed by the symbol.

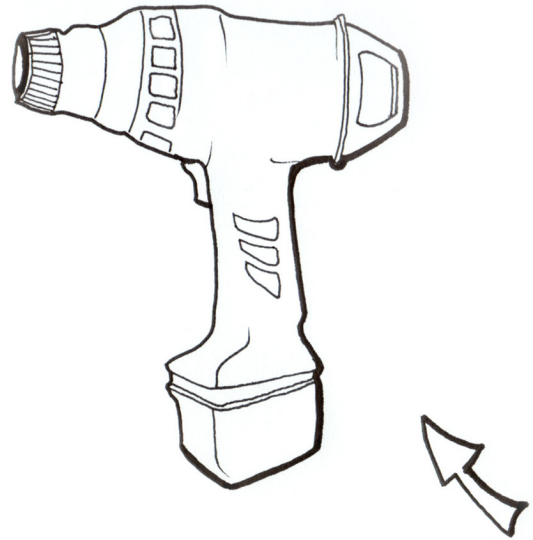


10.

The sketch shows a cordless drill.

Render the sketch in appropriate colours when the light is in the direction of the arrow shown.

The rendering should suggest the materials from which the drill is made.



11. The table shows the symbols for two electronic components.
Name the components and state a suitable use for each.

Symbol	Component	Use

12. Explain the abbreviations AC and DC when referring to electricity.

AC _____ DC _____

Give an example of where each is used.

AC: _____

DC: _____

Blank Page

Blank Page

Blank Page