



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2026
Technology

Section A and Answerbook

Ordinary Level

Monday 22 June Afternoon 2:00 - 4:00

160 marks

Examination Number

----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Date of Birth

		/			/		
----------------------	----------------------	---	----------------------	----------------------	---	----------------------	----------------------

For example, 3rd February
2005 is entered as 03 02 05

Centre Stamp

Instructions

Write your Examination Number and your Date of Birth in the boxes on the front cover.

Write your answers to all parts of the examination into this answerbook. This answerbook will be scanned and your work will be presented to an examiner on screen. Anything that you write outside of the answer areas may not be seen by the examiner.

Write your answers in blue or black pen. You may use pencil for sketches, graphs and diagrams only.

There are three sections in this examination. Attempt **all three** Sections.

Questions for Sections B and C are supplied separately but your answers must be written in this answerbook.

Section A 72 marks
Core – Short-answer questions.
Answer **any nine** questions in this section.
Each question carries 8 marks.

Section B 48 marks
Core – Long-answer questions.
Answer the **two** core questions presented.
Each question in Section B carries 24 marks.

Section C 40 marks
Options – Long-answer questions.
Answer **one** of the five optional questions presented.
Each question in Section C carries 40 marks.

Section A.

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

Write your answers in the spaces provided.

1. The machine shown is commonly used in Technology workshops.

(i) Name the machine.

--

(ii) Outline **two** safety features which are incorporated into the design of the machine.

1.
2.



2. The first 3D printed concrete houses in Ireland were completed in Dundalk, County Louth. These homes were built using 3D construction printing technology, which automates the process of laying concrete.

(i) Outline **two** benefits of using 3D printing technology to build concrete houses.

1.
2.



(ii) State **two** reasons why concrete is used in the construction of houses.

1.
2.

3. The safety sign shown is commonly used in everyday life.

(i) State the meaning of the safety sign shown.

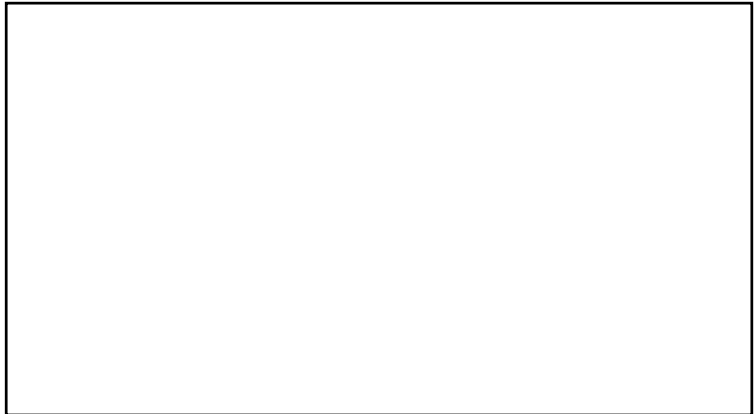
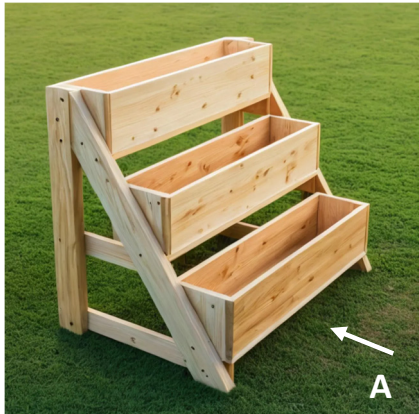
--



(ii) Explain what is meant by safety signs that are **yellow** in colour.

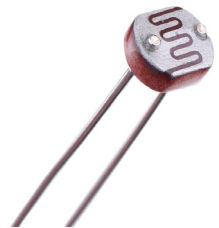
--

4. In the box provided, sketch a well-proportioned elevation of the three-tiered planter box when viewed in the direction of arrow **A**.



5. The image shows a component commonly used in electronics.

(i) Name the component.



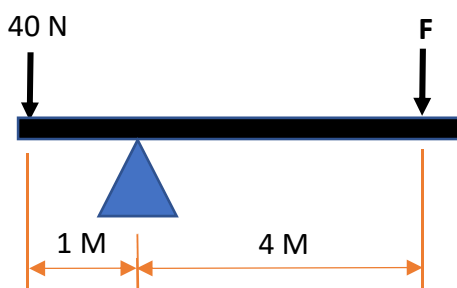
(ii) Outline **one** application of this component in everyday life.

6. The image shows a see-saw. A see-saw acts as a lever when in use.

(i) What class of lever is a see-saw?



(ii) A lever diagram is shown below. If a force of 40 N is applied as shown in the diagram, calculate the force **F** required to balance the lever.



Calculation:

7. The image shows a stainless steel saucepan.

(i) Suggest **two** reasons why stainless steel is a suitable material for the manufacture of the saucepan.

1.
2.



(ii) Suggest an alternative material that could be used for the manufacture of the saucepan handles.

--

8. The image shows a *high-quality* weights bench commonly found in home gyms.
Describe **two** costs associated with the manufacture of high-quality products.



1.
2.

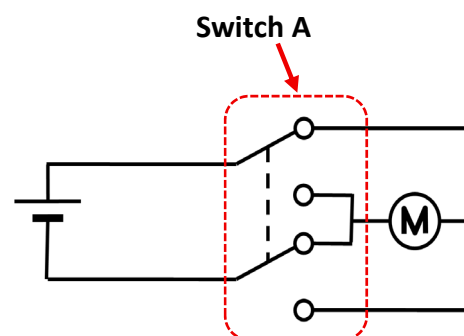
9. The circuit diagram shown contains a power supply, a switch, and a motor.

(i) Name the type of switch used at A.

--

(ii) State the purpose of the switch in the circuit.

Purpose:



10. Cloud storage is a method of storing data on remote servers. It has become very popular in recent years.



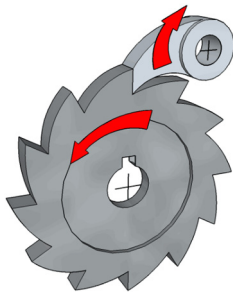
(i) State **two** advantages of using cloud storage for storing data.

1.
2.

(ii) Suggest **one** alternative to cloud storage for storing data.

--

11. The mechanism shown is widely used in industry and in many other areas.



(i) Name the mechanism.

--

(ii) Outline **two** advantages of using this mechanism.

1.
2.

12. Use **two** graphic techniques to enhance the representation of the soap dispenser shown.



Answerbook for Sections B and C

Instructions

Questions for **Sections B** and **C** are supplied separately.

Start each question on a new page. Write the question number in the box at the top of each page.

Use the left-hand column to label each part, as shown below.

Question	0 4	Start each question on a new page
Part		
(a)		
(b)(i)		
(b)(ii)		

You do not need to use all of the pages in this answerbook. If you run out of space in this answerbook, you may ask the superintendent for more paper.

Write your answers in blue or black pen. You may use pencil for sketches, graphs and diagrams only.

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Acknowledgements

Images

Question 1

<https://www.scosarg.ie/record-power-dp58p-floor-drill-free-delivery>

Question 2

<https://www.rte.ie/news/ireland/2025/0206/1494975-3d-printed-houses/>

Question 3

<https://www.signsonline.ie/products/danger-trip-hazzard-sign>

Question 4

<https://www.etsy.com/uk/listing/1884281578/planter-box-plans-step-by-step>

Question 5

<https://projectsrr.com/product/ldr-photoresistor-photo-light-sensitive-resistor-light-dependent-resistor-5-mm/>

Question 6

<https://www.bedbathandbeyond.com/c/outdoor-play/swing-sets>

Question 7

<https://www.amazon.com.be/-/en/Horizon-Stainless-Electricity-Induction-Quantity>

Question 8

<https://www.elveryys.ie/products/rival-standard-b2-weight-bench>

Question 10

<https://www.sedatasolutions.io/what-is-cloud-storage/>

Question 11

<https://wiki.dtonline.org/index.php/File:RatchetPawl.png>

Question 12

<https://www.plastisan.com/en/e-shop/bath-accessories/toyo/soap-dispenser-toyo-white/>

Do not write on this page

Copyright notice

This examination paper may contain text or images for which the State Examinations Commission is not the copyright owner, and which may have been adapted, for the purpose of assessment, without the authors' prior consent. This examination paper has been prepared in accordance with section 53(5) of the Copyright and Related Rights Act, 2000. Any subsequent use for a purpose other than the intended purpose is not authorised. The Commission does not accept liability for any infringement of third-party rights arising from unauthorised distribution or use of this examination paper.

Leaving Certificate – Ordinary Level

Technology Section A and Answerbook

Monday 22 June

Afternoon 2:00 - 4:00