

# MAC IB Exam Session Guide May 2025



# Archbishop MacDonald High School

## IB Diploma Programme May 2025

### Exam Zone C UTC 7 Schedule

Examinations cannot be rescheduled without authorization from the Assessment Division, IB Global Center, Cardiff.  
Exam start times are mandated by IBO, **please be in the exam room 15 minutes prior to the start of your exam.**

**Highlighted boxes have exams set outside of the regular student school hours and on school holidays.**

Date		Start Time	Exam	Room
Tuesday, April 29, 2025	PM	1:00-3:15	Physics HL Paper 1a & 1b (2h) <sup>1</sup>	205
Wednesday, April 30, 2025	AM	9:00-11:30	Physics HL Paper 2 (2h 30m) <sup>2</sup>	205
Monday, May 5, 2025	PM	1:00-3:45	History HL Paper 1 (1h) History HL Paper 2 (1h 30m)	205
Tuesday, May 6, 2025	AM	9:00-11:30	History HL Paper 3 (2h 30m)	205
Thursday, May 8, 2025	PM	1:00-3:15	English A Literature HL Paper 1 (2h 15m)	205
Friday, May 9, 2025	AM	9:00-10:45	English A Literature HL Paper 2 (1h 45m)	205
Monday, May 12, 2025	PM	1:00-3:15	Biology HL Paper 1a & 1b (2h) <sup>3</sup>	SRC
Tuesday, May 13, 2025	AM	9:00-11:30	Biology HL Paper 2 (2h 30m) <sup>4</sup>	SRC
Wednesday, May 14, 2025	PM	1:00-3:15	Spanish ab initio Paper 1 (1h) Spanish ab initio Paper 2 – Reading Comprehension (1h)	Conference Room
Thursday, May 15, 2025	AM	9:00-9:45	Spanish ab initio Paper 2 – Listening Comprehension (45m) <sup>5</sup>	Conference Room
	PM	1:00-3:15	Mathematics: analysis & approaches SL Paper 1 (1h 30m) <sup>6</sup>	SRC
Friday, May 16, 2025	AM	9:00-10:45	Mathematics SL Paper 2 (1h 30m) <sup>7</sup>	SRC
	PM	1:00-2:45	Chemistry SL Paper 1a & 1b (1h 30 min) <sup>8</sup>	SRC
Monday, May 19, 2025	AM	9:00-10:30	Chemistry SL Paper 2 (1h 30m) <sup>9</sup>	SRC
Tuesday, May 20, 2025	PM	1:00-3:45	French B HL Paper 1 (1h 30m) French B HL Paper 2 – Reading Comprehension (1h)	SRC
	PM	1:00-3:30	French B SL Paper 1 (1h 15m) French B SL Paper 2 – Reading Comprehension (1h)	SRC
Wednesday, May 21, 2025	AM	9:00-10:00	French B HL Paper 2 – Listening Comprehension (1h) <sup>10</sup>	SRC
	AM	9:00-9:45	French B SL Paper 2 – Listening Comprehension (45m) <sup>11</sup>	SRC

<sup>1</sup> Bring calculator, physics data booklet provided

<sup>2</sup> Bring calculator, physics data booklet provided

<sup>3</sup> Bring calculator

<sup>4</sup> Bring calculator

<sup>5</sup> Bring wired headphones

<sup>6</sup> Formula booklet provided

<sup>7</sup> Formula booklet provided, bring graphic display calculator

<sup>8</sup> Bring calculator, chemistry data booklet provided

<sup>9</sup> Bring calculator, chemistry data booklet provided

<sup>10</sup> Bring wired headphones

<sup>11</sup> Bring wired headphones

## Exam Rules and Considerations:

- **Plan to arrive to the exam room 15 minutes early.**
- Students will need a pen with dark blue or black ink, a soft pencil that produces dark lines (and a sharpener if required), a ruler, an eraser, basic geometry instruments (i.e. protractor)
- Please ensure you review the regulations involving calculators during the pre-exam period.
- Correction fluid/pens are not permitted.
- No watches or wearable technology (including wireless headphones, smart glasses, etc.)
- Students are required to bring **wired** headphones for their listening examinations (no Bluetooth headphones)
- Drinking water in a clear container is permitted. No other food or drink is permitted.
- Bring your student ID.
- Know your candidate number and session number.
- Students are *not* allowed to leave the exam room.
- Go to the washroom *prior* to your exam!
- Adhere to the seating plan assigned for each exam.
- Once you enter the exam room there is absolutely NO talking.
- When two examinations for the same subject are scheduled in the same slot, the examinations will be administered one after the other from the published start time.
- At the discretion of the school, candidates should be in good standing at the time of the examinations.
- Students are required to attend a mandatory PLT on exam procedures and expectations.
- Students are required to read the MAC IB EXAM SESSION GUIDE for MAY 2025 posted on the google classroom to familiarize themselves with conduct of examinations, academic integrity, calculator rules, etc.
- Full IB Candidates will be exempt from classes from the start of their first exam to the end of their last exam.
- IB Course Candidates will only be exempt from their classes during their exam writing times.

### The Day Before the Exam:

Get organized & minor review

Get a good night's sleep

### The Day of the Exam:

Have something to eat

Review your notes

Get outside or exercise to clear your mind

Plan to arrive early

### At the Start of the Exam:

Breathe.

Smile – give yourself positive energy.

Remind yourself of everything you DO know - you can do this!

### During the Exam:

Read the questions carefully

Annotate your exam copy

Organize your thoughts before you write

Read and revise your writing/answers as you go

Keep moving forward, even if you don't understand a question

Flag questions for later to revisit

Go with your gut

### After the Exam:

Smile!

## Some important advice

- ✓ Know your candidate session number.
- ✓ Read the IB poster *Conduct of the examinations: notice to candidates*. If you have any questions about what it says, ask your coordinator.
- ✓ Take only authorized material into the examination room. If you are found in possession of unauthorized material (for example, notes, a mobile/cell phone) even by mistake, you will be in breach of the IB regulations.
- ✓ Write in dark blue or black ink only. Do not use gel pens. The use of colour is only permitted in geography examinations.
- ✓ Draw a line through any plans or working out that you do not want marked.
- ✓ At the end of the examination, place the below material (where applicable) together in the following sequence:
  - the blue coversheet at the front
  - the examination paper (but **only** if this is the kind of examination paper in which you write answers)
  - the answer booklet(s)
  - squared paper (used in Chinese/Japanese language examinations)
  - graph paper

Secure the above material together with a string tag.



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## Answer Booklet Guide

ANSWER BOOKLET  
LIVRET DE RÉPONSES  
CUADERNILLO DE RESPUESTAS

4 PAGES / PÁGINAS

Candidate session number / Numéro de session du candidat / Número de convocatoria del alumno: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Candidate name / Nom du candidat / Nombre del alumno: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

At the end of each answer to a question, write the question number in the box. / À la fin de chaque réponse à une question, écrivez dans la case le numéro de la question que vous avez traité(e). / Al final de cada respuesta, escriba el número de pregunta en la casilla.

Example: 27 2 7 Example: 3 3

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## Introduction

This guide has been produced to help you as a candidate become familiar with using answer booklets in IB Diploma Programme and Career-related Programme examinations.

### What does the answer booklet look like?

Each booklet consists of four pages. On the top of the front page there are sections in which to indicate your session number and name, along with brief instructions on how to correctly write question numbers. The remainder of this page and all other pages are for you to write your answers to examination questions. Please remember to write your answers on the lines, keeping within the large pink box on each page. Beside the lines for your answers are boxes in which you must write the number of each question you answer.



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## Completing your session number and name

Before you begin writing answers to questions, please write your candidate session number and name in the appropriate boxes on the first page. If you do not know your session number, ask the examination invigilator. Your session number and name must appear on the front page of each booklet you use.

## Completing the boxes

You must ensure you have written the question number correctly before you begin writing each of your answers.

Where a question is split into part numbering, for example (a), (b), (c) or (i), (ii), you must write this on the line at the start of your answer. It is not necessary to indicate the question number more than once for questions that are split into part numbering, and there is no need to write the name of the section, topic or theme that you are answering from (see **Example 1**).

If your answer goes over more than one page, there is no need to write the question number again at the top of each new page.

### Example 2

<div><div></div><div></div></div>	2	(a) height of handlebar
<div><div></div><div></div></div>		(b) designing for a wider range
<div><div></div><div></div></div>	7	(a) weight

Leave at least one line space between each answer. If there is not one line space available between the last line of your answer and the next question number box, go to the next available question number box and start your next answer there (see **Example 2**).

If you make a mistake when writing your question number, fill in the question number box and use the next available box.

## If you make a mistake

If you make a mistake when writing your question number, fill in the question number box and use the next available box.

If you start writing an answer to a question and then decide you are going to answer a different question altogether, fill in the question number box in addition to putting a line through the wrong answer. Write the question number of the new answer in the next box and begin your answer again (see **Example 3**).


## If you run out of space

If you run out of space in your answer booklet, ask the invigilator for a new booklet and complete your session number and name on the front page. If you are continuing with an answer that you started in your first booklet, write the question number again in the new booklet before continuing with your answer.

If you need to go back and write more for any of your answers at any stage, go to the end of the last answer that you wrote in your answer booklet. In the next available box, write the question number again and then continue your answer.

## Practice

### Example 3



27

(a) height of handlebar  
designing for a wider

# Conduct of the examinations

## Notice to candidates

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- You must arrive in good time for the start of an examination and may not be allowed to sit the examination if you arrive late.
- Your coordinator/invigilator will decide where you will sit during an examination. You must remain seated until permission is given to leave the examination room.
- You may only take to your desk/table the following items:
  - General stationery, for example, black/blue pen, pencil, eraser, geometry instruments, ruler. Correcting fluid and gel pens are not permitted.
  - Materials specified by the IB as required for a particular examination, for example, an electronic calculator, a clean copy of a case study and/or data booklet.
  - A bilingual translation dictionary for non-modern language examinations, that does not contain notes of any kind.
- Your coordinator/invigilator has the right to inspect and confiscate any item you bring into the examination room. This includes electronic calculators, which should be set to test mode (when applicable).
- Follow all the instructions from your coordinator/invigilator.
- Your coordinator/invigilator has the right to remove you from the examination room if your behaviour interferes with the examination.
- In cases of emergency, and with the permission of your coordinator/invigilator, you may be allowed to temporarily leave the examination room. You will remain supervised at all times.
- If you decide to leave the examination room before the scheduled finishing time, you will not be allowed to return.

- You must not attempt to obtain information about the content of an examination in advance.
- If you find that you have accidentally taken unauthorized material into an examination (for example, a mobile phone/cellphone), you must give it to your coordinator/invigilator immediately.
- You must not include inappropriate, offensive or obscene content in your responses.
- All work submitted for assessment must be entirely your own. Collusion, plagiarism and the impersonation of another candidate are not permitted.

**Failure to comply with any of these regulations will be considered academic misconduct and may result in no grade being awarded.**

## Conduct of the examinations

# Notice to candidates

The following instructions must be observed for all IB examinations. Failure to comply may result in no grade being awarded for the subject being examined.

If you do not understand these instructions, please contact your coordinator.



Arrive on time for your examination. You are not permitted to leave the examination within the first 60 minutes, or the last 15 minutes.



Do not communicate with other candidates in the examination room.



Do not bring any unauthorized materials to your desk.



Follow all invigilator instructions. Raise your hand if you require the invigilator's attention.



Do not take any examination material out of the examination room.



Ensure that you report any incidents of possible academic misconduct to your coordinator.



Do not discuss the content of the examination with any person outside of your school in the next 24 hours.

## Conduct of the examinations

# Items not permitted

If you take any of the following items into an IB examination - *even by mistake* - you will be in breach of regulations and may not be eligible for a grade in the subject being examined.

If you do not understand these instructions, please contact your coordinator.



### Electronic equipment

Note that this includes, but is not limited to, mobile phones/cellphones and any device that allows communication.

An approved calculator is permitted in certain examinations.



### Books or guides



### Rough/scratch paper or notes



### Wearable technology and all types of watches

Note that this includes, but is not limited to, smart watches, smart glasses, and wireless headphones.



### Refreshments

Water is permitted at the discretion of the coordinator.

## Conduct of the examinations

# Language acquisition listening comprehension examinations



You will have five minutes' reading time to review the content of the examination. No writing is allowed during this time.



Once the five minutes' reading time has concluded, you may write answers and notes at any time during the examination.



You may write notes in the spaces provided. Notes will not be marked.



Pauses are built in between each audio text.



You are only permitted to use wireless headphones if they are supplied by your school.



If the audio is played on an individual device, you are not permitted to interact with the device once the examination has started.



Once three beeps are heard, the examination has concluded, and you must stop writing.

Further to the information provided here, please ensure that you read the full instructions on the front page of each examination. If you would like any further information, please speak to your coordinator.

The conduct of examinations rules apply to these examinations and must be observed at all times.



## What is academic honesty?

International Baccalaureate (IB) programmes encourage students to inquire and to think critically and creatively, and to present their thinking in a variety of ways. They should be able to make their thoughts and their learning visible and explicit, show how they have constructed their ideas, and demonstrate the views they have followed or rejected. This is essentially what scholarship and academic honesty are: making knowledge, understanding and thinking transparent.

Students need to understand how knowledge is constructed and, consequently, their own role in furthering knowledge construction and building understanding. An essential aspect of this is an understanding of the technical aspects of academic honesty, of citing and referencing.

Academic honesty is an essential principle of the IB's academic programmes that enhances the organization's credibility and position as a leader in international education. As stated in the IB learner profile, all members of the IB community strive to be "principled", acting with "integrity and honesty, with a strong sense of fairness, justice and respect for the dignity of the individual, groups and communities".



For more information,  
please view the IB learner profile at  
<http://www.ibo.org/en/benefits/learner-profile/>  
and the publication Academic honesty in the  
IB educational context at  
[http://www.ibo.org/myib/digitaltoolkit/  
brochuresflyersposters/](http://www.ibo.org/myib/digitaltoolkit/brochuresflyersposters/)

## As the legal guardian of a Diploma Programme student, how can we support our children?

- Encourage them to plan each assignment.
- Provide support with the scheduling of their work, as they may have many assignments to complete.
- Establish a good level of communication with the school so that you understand the requirements of the Diploma Programme and what is expected of students.
- Encourage them to ask their teacher for advice if they are having difficulty with their work.



## Academic Honesty in the Diploma Programme





## What is academic misconduct?

Academic misconduct is a behaviour that results in, or may result in, the student or any other student gaining an unfair advantage (or a behaviour that disadvantages other students) in one or more assessment components. Unfortunately in every Diploma Programme examination session there are students who are investigated for alleged “academic misconduct”.

### Categories of “academic misconduct” in the IB:

**Plagiarism** is defined as the representation, intentionally or unwittingly, of the ideas, words or work of another person without proper, clear and explicit acknowledgment. The use of translated materials, unless indicated and acknowledged, is also considered plagiarism.

**Collusion** is defined as supporting academic misconduct by another student, for example allowing one’s work to be copied or submitted for assessment by another.

**Misconduct** during an IB examination includes taking unauthorized material into an examination room, disruptive behaviour and communicating with others during the examination.

**Communication about the content of an examination** 24 hours before or after the examination with others outside their school community is also considered a breach to IB regulations.

**Duplication of work** is defined as the presentation of the same work for different assessment components and/or Diploma Programme requirements.



## Good practice—recommendations for students

- Make sure that information you have used is acknowledged in the body of the text and is fully listed in the bibliography using the referencing style agreed with your teacher.
- Cite your sources so that readers can find them; if you cannot state the origin of the source it is probably better not to use it.

The IB has no means of knowing whether an act of academic misconduct was deliberate or not. Students should know how to indicate and cite material that is not their own. Students are also expected to follow the rules of acceptable behaviour in the exam room and around the time of the examination.

For these reasons, a student’s intent cannot be taken into account if the IB investigates an alleged breach of the *General regulations: Diploma Programme*.

Be aware that a breach of IB regulations will have serious consequences.



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## Acknowledging the work of others

Proper citation is a key element to academic scholarship and intellectual exchange.

More guidance can be found in the IB publication *Effective citing and referencing* available in the Digital toolkit section on the IB website (<http://www.ibo.org/myib/digitaltoolkit/brochuresflyersposters/>)



## Essentials

- Make clear which words, ideas, images and works are not your own (including maps, charts, musical compositions, movies, computer source codes and any other material).
- Give credit for copied, adapted and paraphrased material.
- When using text, make clear where the borrowed material starts and finishes.
- All sources cited in the text must also be listed in the bibliography (or reference list/list of works cited) and all sources listed in the bibliography (or reference list/list of works cited) must be cited in the text.

## 2.0 Groups and subjects

Calculators of the types indicated as suitable are allowed only in the subjects listed in the table below.

Subjects	Calculators
Business management Environmental systems and societies	A four-function (plus, minus, multiply, divide) calculator, scientific calculator or GDC is required for paper 2. A calculator may be taken into the examinations for paper 1 and paper 3 (HL only).
Economics	Calculators are <b>not</b> allowed for paper 1. For paper 2 and paper 3, while all questions requiring a calculator can be answered fully using a four-function calculator (plus, minus, multiply, divide), GDCs are allowed during the examination. The graphing functions on these calculators may assist students and it is therefore recommended that all students are familiar with the use of GDCs.
Astronomy Marine science Nature of science	A calculator with the following minimum functionalities is required for all examinations (a GDC is recommended). <ul style="list-style-type: none"> <li>• Decimal logarithms</li> <li>• Values of <math>xy</math> and <math>x1/y</math></li> <li>• Value of <math>\pi</math> (pi)</li> <li>• Trigonometric functions</li> <li>• Inverse trigonometric functions</li> <li>• Natural logarithms</li> <li>• Values of <math>e^x</math></li> <li>• Scientific notation</li> </ul>
Biology Chemistry Physics Sports, exercise and health science	Calculators are <b>not</b> allowed for paper 1. On paper 2 and paper 3, a calculator with the following minimum functionalities is required (a GDC is recommended). <ul style="list-style-type: none"> <li>• Decimal logarithms</li> <li>• Values of <math>xy</math> and <math>x1/y</math></li> <li>• Value of <math>\pi</math> (pi)</li> <li>• Trigonometric functions</li> <li>• Inverse trigonometric functions</li> <li>• Natural logarithms</li> <li>• Values of <math>e^x</math></li> <li>• Scientific notation</li> </ul>
Design technology	Calculators are <b>not</b> allowed for paper 1. A four-function calculator (plus, minus, multiply, divide), scientific calculator or GDC is required for SL/HL paper 2 and HL paper 3 examinations.

Subjects	Calculators
<p>Mathematics: analysis and approaches</p> <p>Mathematics: applications and interpretation</p>	<p>Calculators are <b>not</b> allowed for <i>Mathematics: analysis and approaches</i> paper 1.</p> <p>On <i>Mathematics: analysis and approaches</i> paper 2 and paper 3 and <i>Mathematics: applications and interpretation</i> paper 1, paper 2 and paper 3, a GDC with the following minimum functionalities is required:</p> <ul style="list-style-type: none"> <li>• plot graphs with any viewing window and identify key features</li> <li>• solve equations, graphically and numerically (real and complex solutions)</li> <li>• solve systems of equations, graphically and numerically (real and complex solutions)</li> <li>• find a numerical derivative at a point</li> <li>• find a numerical definite integral</li> <li>• financial (TVM) solver</li> <li>• add and multiply matrices, find determinant and inverse matrices</li> <li>• convert between Cartesian and modulus-argument (polar) form</li> <li>• operations with complex numbers</li> <li>• probability distribution functionality: <ul style="list-style-type: none"> <li>normal distribution</li> <li>binomial distribution</li> <li>Poisson distribution</li> <li><math>t</math>-distribution</li> <li>confidence intervals (for normal and <math>t</math>-distributions)</li> </ul> </li> <li>• find statistical values including: <ul style="list-style-type: none"> <li>binomial coefficient <math>{}^nC_r</math>, <math>{}^nP_r</math></li> <li>1 and 2 variable statistical values</li> <li>Pearson's product-moment correlation coefficient and coefficient of determination</li> <li>regression equations (linear, quadratic, cubic, exponential, power and sinusoidal)</li> <li><math>\chi^2</math> test for independence (<math>\chi^2</math> values and <math>p</math> values)</li> <li><math>\chi^2</math> goodness of fit test (<math>\chi^2</math> values and <math>p</math> values), varying the degree of freedom</li> <li><math>t</math>-test (<math>t</math> values and <math>p</math> values)</li> </ul> </li> <li>• spreadsheets or recursion tools to find approximate solutions using Euler's method</li> <li>• plot phase portraits for two numeric sequences</li> </ul>

Different courses have different requirements, but the minimum requirements listed above are for all the mathematics courses. Some of these may not be relevant to every course. Statistical tables are not allowed in mathematics subject examinations. Candidates must have access to calculators that are able to find relevant statistical values.

## 3.0 General restrictions applying to all calculators used in examinations

Restrictions on the use of certain technology are in place to discourage malpractice and maintain fair and reasonable access to technology that is generally required in the good practice of teaching and assessment.

- Telephones, smart phones, smart watches, tablets, calculator watches, personal computers (PCs) and any other device that enables internet access are not allowed in any subject examinations.
- Only the manufacturer's operating system may be used.
- Computer algebra systems (CAS)-equipped calculators (symbolic manipulation, whether in-built or programmed) are not allowed in any subject examinations.
- Calculators with wireless/infrared communication are not allowed in any subject examinations.
- Examination questions must not be stored in, or recorded into, the memory of a calculator.
- Peripheral hardware must not be taken into the examination room (for example, keyboards, link cables and so on).
- Calculators must not be shared or exchanged during examinations.
- Calculator manuals must not be taken into the examination room.
- More than one calculator per candidate may be brought into the examination room. However, a spare set of batteries is a preferable alternative to several calculators.

## 4.0 Responsibilities

### 4.1 Coordinators and invigilators

The coordinator must ensure that these requirements are understood and are being followed by all candidates, teachers and invigilators. Schools are responsible for monitoring the use of calculators by candidates on a continuous basis.

During the examination, if a coordinator/invigilator finds that a candidate has used unauthorized material or technology, the matter should be reported in the same way as any other breach of examination regulations. During any inspection, the coordinator should expect to show visiting IB representatives that this checking procedure is being followed.

### 4.2 Teachers and candidates

Teachers of all Diploma Programme (DP) subjects that permit or require the use of calculators in examinations should make candidates aware of both the requirements and restrictions of use before the relevant examinations take place. The potential consequences of breaches of these requirements by candidates would be similar to consequences of any other breaches of examination regulations.

Teachers are responsible for monitoring the use of calculators by candidates throughout the course by informal conversation and by spot-checking calculators. Methods of monitoring individual calculators include manually checking, transferring memory to a PC or using tools provided by the calculator manufacturer.



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Generic answer cover sheet

Session year:	<input type="text"/>	Month:	M <input type="text"/>	N <input type="text"/>
Subject:	<input type="text"/>			
Level:	HL <input type="text"/>	SL <input type="text"/>	Paper:	<input type="text"/>
Session number:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	—	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
Candidate name:	<input type="text"/>			

Invigilator only: Candidate absent (insert x if applicable)

☐

Candidate

Section / Option	Question
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

General instructions

- Write in **blue** or **black** ink, and use soft pencil for graphs and diagrams. The use of colour is only permitted in geography examinations.
- Do not write on any QR code on this cover sheet.

When using 4-page answer booklets

- Write your session number and name in the appropriate boxes on the front page of the answer booklet.
- At the start of each answer to a question, write the question number in the box. If you make a mistake, fill in the box completely and use the next available box to write the question number.
- Parts of an answer, for example (a), (b), (c), must be written on the lines provided.
- Leave at least one line space between each part of an answer.

At the end of the examination

- Complete the candidate boxes (on the left) with the section(s)/option(s) and question(s) answered. If all questions have been answered, write ALL.
- Attach this cover sheet to your work using the string tag provided.
- In the box below, write the number of 4-page answer booklets attached to this cover sheet.

Number of 4-page answer booklets attached







MCQ answer sheet / Feuille de réponses pour les QCM /  
Hoja de respuesta para preguntas de opción multiple

**See instructions overleaf / Voir instructions au verso /  
Ver instrucciones al dorso**

Session year:	<input type="text"/>	Month:	M	<input type="text"/>	N	<input type="text"/>
Année de la session :		Mois :				
Convocatoria:		Mes:				
Subject / Matière / Asignatura: <input type="text"/>						
Level / Niveau / Nivel:	HL / NS	<input type="text"/>	SL / NM	<input type="text"/>	Paper:	<input type="text"/>
					Épreuve :	
					Prueba:	
Session number:	<input type="text"/>					
Nº de session :	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Nº de convocatoria:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Candidate name:	<input type="text"/>					
Nom du candidat :	<input type="text"/>					
Nombre del alumno:	<input type="text"/>					

**Invigilator only:**  
**À remplir par le surveillant :**  
**Solo para el supervisor del examen:**

Candidate absent (insert ✕ if applicable)  
 Candidat absent : si oui, cochez (✕) la case  
 Alumno ausente (marque con ✕ cuando corresponda)



1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D
26	A	B	C	D
27	A	B	C	D
28	A	B	C	D
29	A	B	C	D
30	A	B	C	D
31	A	B	C	D
32	A	B	C	D
33	A	B	C	D
34	A	B	C	D
35	A	B	C	D
36	A	B	C	D
37	A	B	C	D
38	A	B	C	D
39	A	B	C	D
40	A	B	C	D

# MCQ answer sheet / Feuille de réponses pour les QCM / Hoja de respuesta para preguntas de opción múltiple

## Instructions / Instrucciones

### Instructions for the invigilator:

- Complete the details in the box on behalf of the candidate in CAPITAL letters.
- For any candidate who is absent, insert ✕ in the "Candidate absent" box and send the answer sheet to the IB Global Centre, Cardiff, with all other candidates' answer sheets.
- Do not staple, tear or fold this answer sheet.

### Instructions to candidates:

- Complete the details in the box using CAPITAL letters. Include your candidate session number.
- Complete this answer sheet using a soft pencil that produces dark lines.
- For each question, there are four suggested answers. Choose the answer that you consider to be correct and indicate your choice by inserting ✕ in the appropriate box. Choose one answer only for each question.
- To change an entry, erase the incorrect ✕ and insert ✕ in another box.

### Instructions destinées au surveillant :

- Inscrivez les renseignements demandés dans le cadre au nom du candidat en lettres CAPITALES.
- Pour tout candidat absent, cochez (✕) la case «Candidat absent» et envoyez la feuille de réponses au centre mondial de l'IB à Cardiff avec les feuilles de réponses de tous les autres candidats.
- N'utilisez pas d'agrafes, ne déchirez pas ou ne pliez pas cette feuille de réponses.

### Instructions destinées aux candidats :

- Inscrivez vos renseignements en lettres CAPITALES. Notez votre numéro de session du candidat.
- Remplissez cette feuille de réponses en utilisant uniquement des crayons à mine tendre qui permettent de tracer des lignes noires.
- Quatre réponses sont proposées pour chaque question. Choisissez la réponse que vous estimez être la bonne et indiquez votre choix à l'aide d'une croix (✕) dans la case qui convient. Choisissez une seule réponse pour chaque question.
- Pour modifier votre choix, effacez la croix erronée et cochez une autre case (✕).

### Instrucciones para el supervisor del examen:

- Complete con letra MAYÚSCULA los datos del alumno que aparecen en la casilla.
- Si el alumno no se presentó al examen, ponga una cruz (✕) en la casilla "Alumno ausente" y envíe esta hoja de respuesta al centro global del IB en Cardiff, junto con las hojas de respuesta del resto de los alumnos.
- No rasgue, doble ni asegure con grapas la hoja.

### Instrucciones para los alumnos:

- Complete con letra MAYÚSCULA los datos que aparecen en la casilla. Incluya su número de convocatoria.
- Para completar esta hoja utilice únicamente un lápiz blando que crea trazos oscuros.
- Se presentan cuatro opciones de respuesta para cada pregunta. Escoja la respuesta que considere correcta e indique su selección mediante una cruz (✕) en la casilla apropiada. Para cada pregunta elija solamente una respuesta.
- Si desea cambiar una respuesta, borre la cruz incorrecta y haga una nueva cruz (✕) en la casilla apropiada.

# Conditions of use of GDCs in examinations from 2008 onwards

## Graphic display calculator (GDC) models recommended for all subjects that allow calculators to be used

**Texas Instruments** TI-83 Plus/TI-83 Plus Silver Edition/TI-84 Plus/TI-84 Plus Silver Edition

**Casio** CFX-9850 GC Plus/FX-9750 G Plus/CFX-9950 Plus/FX1.0 Plus/FX-9860 G/FX-9860 AU/FX-9860 G SD/Graph 35 Plus/Graph 65 Plus/Graph 85/Graph 85 SD

(See the Handbook of procedures for the Diploma Programme (Vade Mecum) for a full list of recommended GDC models.)



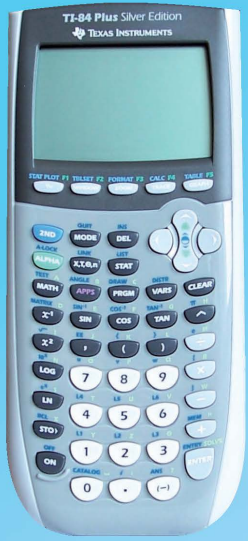

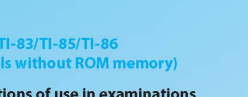
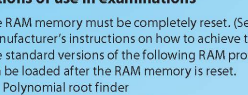
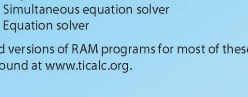

## Texas instruments

TI-83 Plus/TI-83 Plus Silver Edition  
TI-84 Plus/TI-84 Plus Silver Edition

### Conditions of use in examinations

- The RAM memory must be reset or initialized on all calculators. (See **Table 1** for instructions on how to achieve this.)
- The ROM memory must be reset, initialized or modified so that only approved flash Apps remain in the calculator memory. (See **Table 2** for instructions on how to achieve this; see **Table 3** for a full list of approved flash Apps.)

### How to reset the RAM memory of the TI-83/84 family of models

Press	Result
2nd then + to access memory functions.	
7 to access reset function.	
1 to reset all RAM memory.	
2 to confirm RAM reset.	
2nd + 2 7 will display full RAM and no files. RAM FREE 24250 TI-84+SE RAM FREE 24289 TI-83+SE RAM FREE 24303 TI-83+	
PRGM will display the screen with no programs listed.	





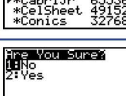
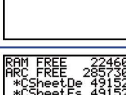

### TI-82/TI-83/TI-85/TI-86 (models without ROM memory)

#### Conditions of use in examinations

- The RAM memory must be completely reset. (See manufacturer's instructions on how to achieve this.)
- The standard versions of the following RAM programs can be loaded after the RAM memory is reset.
  - Polynomial root finder
  - Simultaneous equation solver
  - Equation solver

Standard versions of RAM programs for most of these models can be found at [www.ticalc.org](http://www.ticalc.org).

### How to remove flash Apps from the ROM memory of the TI-83 Plus/TI-84 Plus Silver Edition/TI-84 Plus/TI-84 Plus Silver Edition

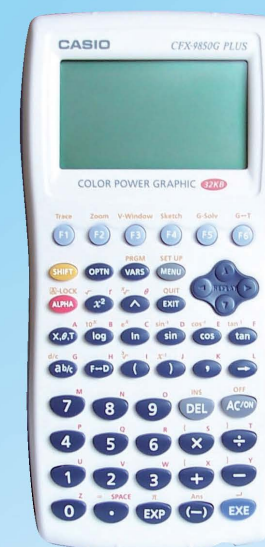
Press	Result
2nd then + to access memory functions.	
2 to access memory management functions.	
ALPHA then MATH to view Apps in calculator memory. (The Apps displayed on this screen may be different to those found on your calculator.)	
and to scroll up and down to select the Apps to be removed. Arrow indicates selection; on this screen, the Apps CabiJr has been selected.	
DEL to delete the Apps selected. A confirmation screen will appear.	
2 to confirm delete. Updated display of Apps in memory will appear after a short pause. The Apps deleted will no longer appear. Repeat until only approved Apps remain.	
APPS to check Apps available on calculator.	

(Note that Finance will not appear in the memory screens, but will only appear when **APPS** is pressed.)

### List of approved flash Apps

Screen name	Full program/Apps name and version
CBL/CBR	CBL™ v1.0, Texas Instruments
Chinese	Chinese Help v1.01, © Inventec, 1999
CtlgHelp	Catalog Help v1.0, © Texas Instruments, 2000
Dansk	Dansk Localizer v1.02, © Texas Instruments, 1999
Deutsch	Deutsch Localizer v1.02, © Texas Instruments, 1999
Español	Español Localizer v1.02, © Texas Instruments, 1999
Finance	Finance—part of TI operating system
Français	Français Localizer v1.02, © Texas Instruments, 1999
Italiano	Italiano Localizer v1.02, © Texas Instruments, 1999
Magyar	Magyar Localizer v1.02, © Texas Instruments, 1999
Nederlan	Nederlan Localizer v1.02, © Texas Instruments, 1999
Norsk	Norsk Localizer v1.02, © Texas Instruments, 1999
Polski	Polski Localizer v1.02, © Texas Instruments, 1999
PolySmt	Polynomial Root Finder and Simultaneous Equation Solver v1.0, © Texas Instruments, 2001
PolySmt 2	Polynomial Root Finder and Simultaneous Equation Solver v2.0, © Texas Instruments, 2006
Portug	Portug Localizer v1.02, © Texas Instruments, 1999
Suomi	Suomi Localizer v1.02, © Texas Instruments, 1999
Svenska	Svenska Localizer v1.02, © Texas Instruments, 1999

## Casio

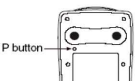
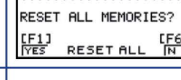
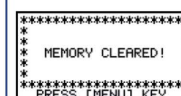


CFX-9850 GC Plus  
FX-9750 G Plus  
CFX-9950 Plus  
FX1.0 Plus  
FX-9860 G  
FX-9860 AU  
FX-9860 G SD  
Graph 35 Plus  
Graph 65 Plus  
Graph 85  
Graph 85 SD

### Conditions of use in examinations

- The RAM memory must be completely reset. (See **Table 4** for instructions on how to achieve this.)
- The ROM memory must be initialized (FX1.0 Plus model only).

### How to reset the RAM memory of the Casio CFX-9850 GC Plus/FX-9750 G Plus/CFX-9950 Plus/FX1.0 Plus/FX-9860 G/FX-9860 AU/FX-9860 G SD/Graph 35 Plus/Graph 65 Plus/Graph 85 SD/Graph 85 SD

Press	Result
Locate the reset button on the back of the calculator.	
Use a thin, pointed object to press the reset button. The reset confirmation screen will appear.	
P	

If the display appears to be darker or dimmer after you reset the calculator, adjust the colour contrast. See the manufacturer's manual for instructions for other models.