



STUDENT'S

# USER GUIDE

RAFFLES INSTITUTION  
in collaboration with  
TOFFS Technologies Pte. Ltd.

RAFFLES INSTITUTION & TOFFS TECHNOLOGIES PTE. LTD.

# STUDENT'S

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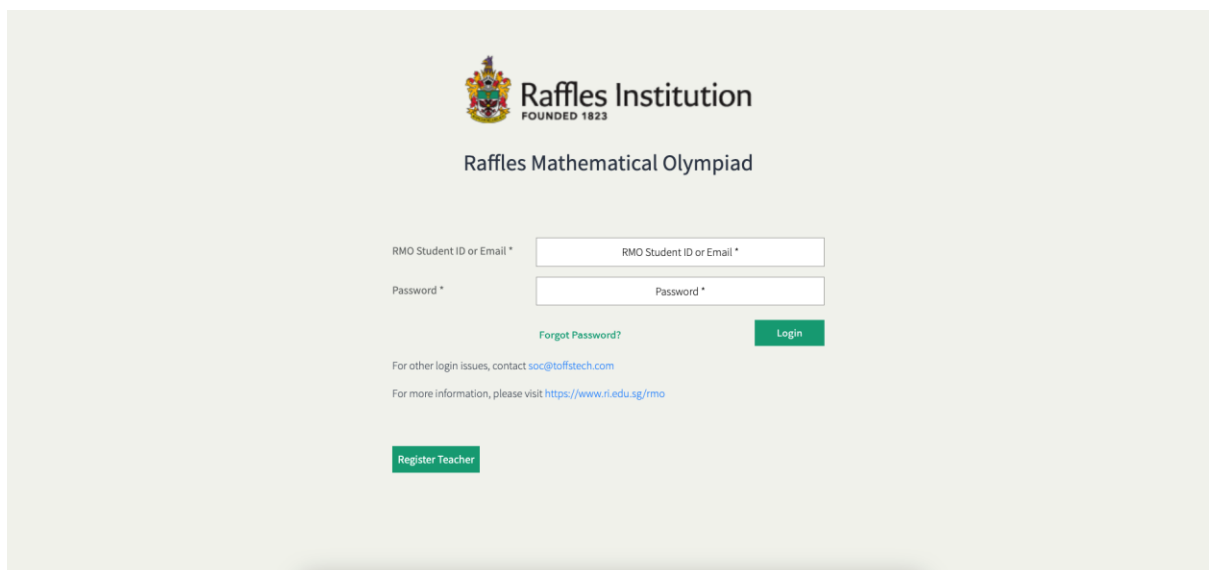
## 1. Student Login Page

**For Information** - Website for information: [ri.edu.sg/RMO](https://ri.edu.sg/RMO)

**For Competition** - Website for competition: [rmo.ri.edu.sg](https://rmo.ri.edu.sg)

Use the competition link: [rmo.ri.edu.sg](https://rmo.ri.edu.sg) to proceed to the login page as in Figure 1. Log in with the following details provided by your teachers.

1. Student ID
2. Password



The screenshot shows the login page for the Raffles Mathematical Olympiad. At the top, there is the Raffles Institution logo (a crest) and the text "Raffles Institution FOUNDED 1823". Below this is the title "Raffles Mathematical Olympiad". The login form consists of two input fields: "RMO Student ID or Email \*" and "Password \*". To the right of the password field is a green "Login" button. Below the input fields, there is a link "Forgot Password?". At the bottom of the form, there is a link "For other login issues, contact [soc@tofftech.com](mailto:soc@tofftech.com)" and another link "For more information, please visit <https://www.ri.edu.sg/rmo>". At the very bottom, there is a green "Register Teacher" button.

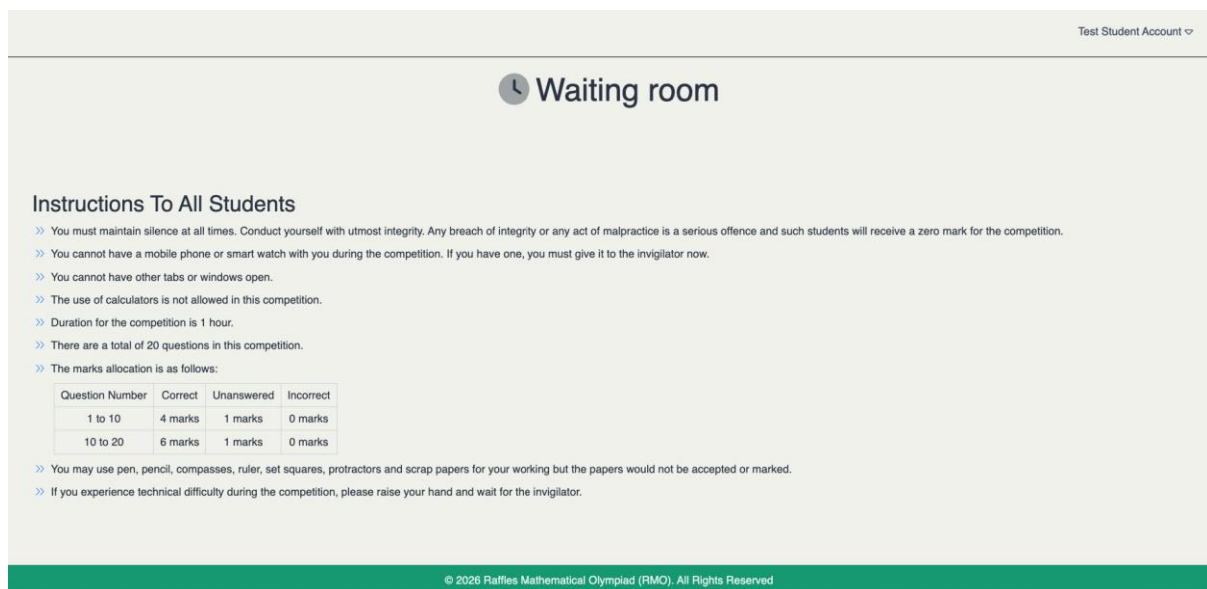
**Figure 01: Login Page**

## 2. Waiting Room

Once you've logged in, you will be directed to the **"Waiting Room"**. Please read the instructions carefully.

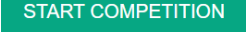
**Competition Hours:** The competition is only available from **8 AM to 6 PM**.


If you log in before 8 AM, you will be directed to the Waiting Room as shown in Figure 2. At 8 AM, reload the page, and the **"START COMPETITION"** button will be accessible.

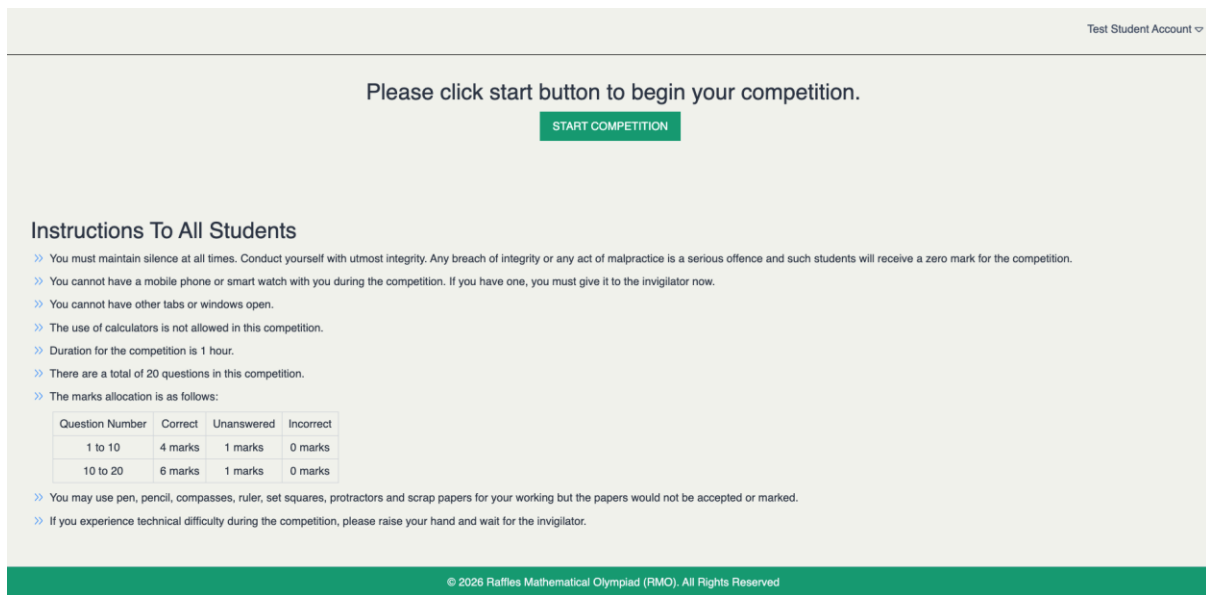


**Figure 02: Waiting Room before 8 AM**

### 3. Start Competition

From the “Waiting Room”, click on the “**START COMPETITION**” button (  ). You will be redirected to the “**Competition**” page. This means that the competition has started and you have **1 hour** for the competition. Good Luck!

In case you do not see the “**Start Competition**” button after 8 AM, reload  the page and it will become visible.



**Figure 03: Waiting Room with “Start Competition” Button**

**Note:** The “**START COMPETITION**” button will no longer be available after 5 PM. However, students who begin the competition at or before 5 PM can continue working until the competition ends at 6 PM.

## 4. End of Competition

When you have completed all the questions before the time is up, you may click the “**End Competition**” button at the final question, to end the competition. This button is only available at the final question.

The screenshot shows the interface for Question 20 (6 marks). The top bar displays 'Time Left - 00:59:06', 'Total Questions - 20', 'Total Questions Answered - 0/20', and 'Test Student 01'. The question text describes a logic puzzle involving seven light bulbs and a sequence of pull-string switches. Below the question are five multiple-choice options (A) through (E). A green 'End Competition' button is highlighted with a red box. To the right, a 'Question List' table shows 20 questions, with question 20 highlighted in green and marked as 'Not Answered'.

**Time Left - 00:59:06** **Total Questions - 20** **Total Questions Answered - 0/20** **Test Student 01**

**Question 20 (6 marks)**

Seven light bulbs *A, B, C, D, E, F* and *G* are each equipped with a pull-string switch. A pull-string switch works as follows: if the light is switched on and you pull the string, the light will be switched off; if the light bulb is switched off and you pull the string, the light bulb will be switched on. Initially, fans *A, C, E* and *G* were switched on. Esther began pulling one string at a time in the order *ABCDEFGGFEDCBA* and thereafter repeating this order. After Esther pulled 2011<sup>th</sup> string, which light bulbs were switched on?

☐ (A) *D, E* and *G*

☐ (B) *B, D, E* and *G*

☐ (C) *C, E, F* and *G*

☐ (D) *B, D* and *G*

☐ (E) None of the above

**End Competition**

**Question List**

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

Answered Not Answered

Figure 04: Final Question

A pop-up message will appear to confirm that you want to end the competition. Click “**Yes**” to confirm that you would like to end the competition.

The screenshot shows the same interface as Figure 04, but with a confirmation pop-up displayed. The pop-up asks 'Do you want to end competition?' and has two buttons: 'No' and 'Yes'. The 'Yes' button is highlighted with a red box. The 'End Competition' button on the main interface is also visible at the bottom right.

**Time Left - 00:58:27** **Total Questions - 20** **Total Questions Answered - 0/20** **Test Student 01**

**Question 20 (6 marks)**

Seven light bulbs *A, B, C, D, E, F* and *G* are each equipped with a pull-string switch. A pull-string switch works as follows: if the light is switched on and you pull the string, the light will be switched off; if the light bulb is switched off and you pull the string, the light bulb will be switched on. Initially, fans *A, C, E* and *G* were switched on. Esther began pulling one string at a time in the order *ABCDEFGGFEDCBA* and thereafter repeating this order. After Esther pulled 2011<sup>th</sup> string, which light bulbs were switched on?

☐ (A) *D, E* and *G*

☐ (B) *B, D, E* and *G*

☐ (C) *C, E, F* and *G*

☐ (D) *B, D* and *G*

☐ (E) None of the above

**Do you want to end competition?**

**No** **Yes**

**End Competition**

**Question List**

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

Answered Not Answered

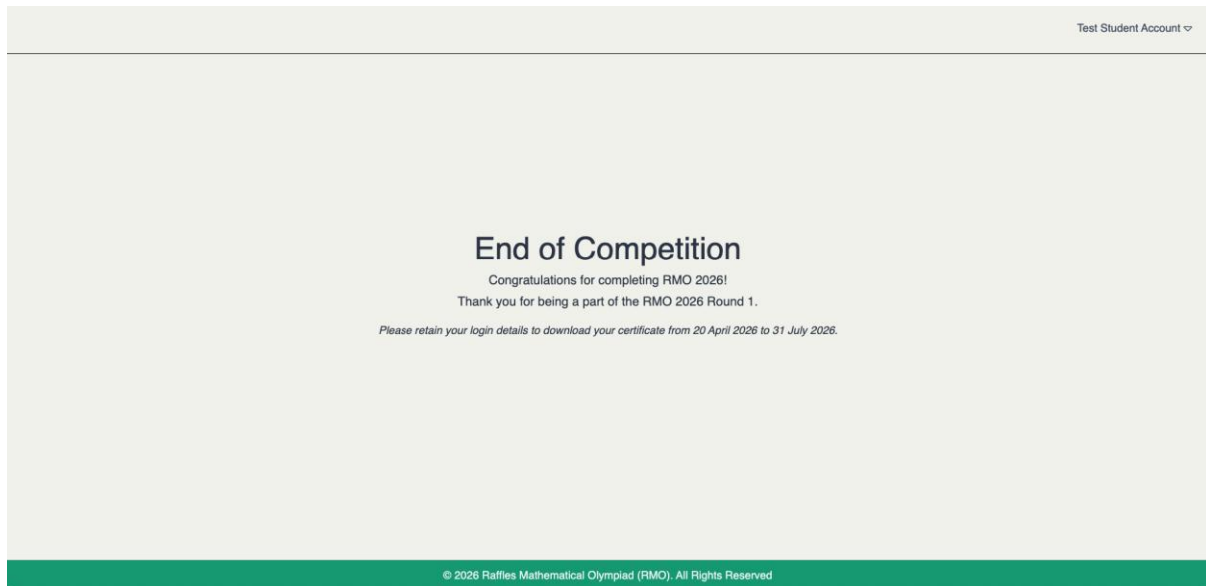
Figure 05: Confirm to end the Competition

The competition will end automatically when the time is up. Your work will automatically be saved and submitted to the organizer. You do not need to click the “End Competition” button at the final question in this case.

You will see this message below when:

1. You have successfully ended the competition by yourself, or
2. Time is up and the competition has ended

You may close the tab or log out.



**Figure 06: End of Competition message**



## 5. Time Alert Popup

The system will display a **10-minute warning popup** to notify you as the competition session approaches its final 10 minutes. Please keep track of your time to complete the competition before it ends. Click **“OK”** to continue.

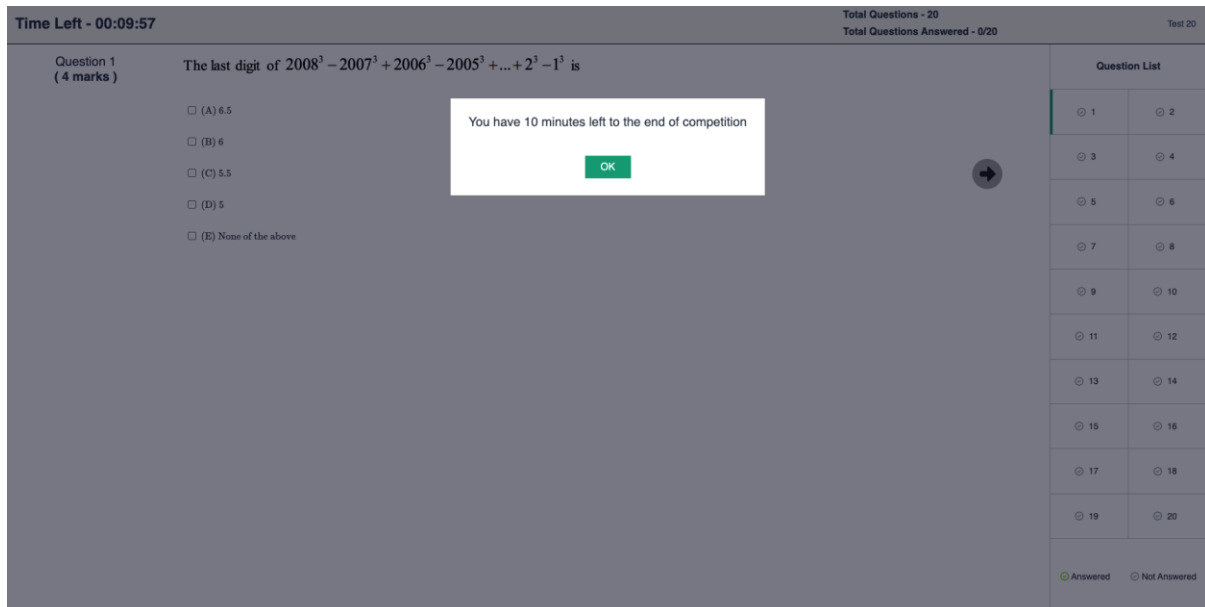
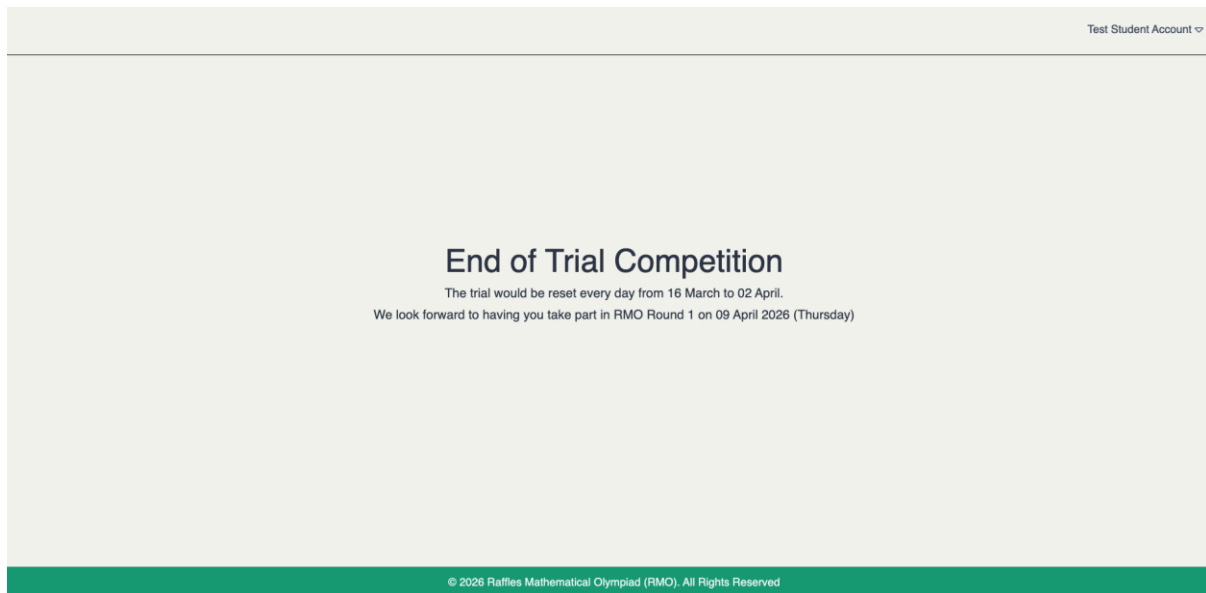


Figure 07: Time Alert Popup

## 6. Auto Reset During the Trial

**Trial Auto-Reset:** During the trial period, the system will **automatically reset the competition at midnight each day**. This allows you to re-start the competition daily for up to **18 continuous days** to get familiar with the system.

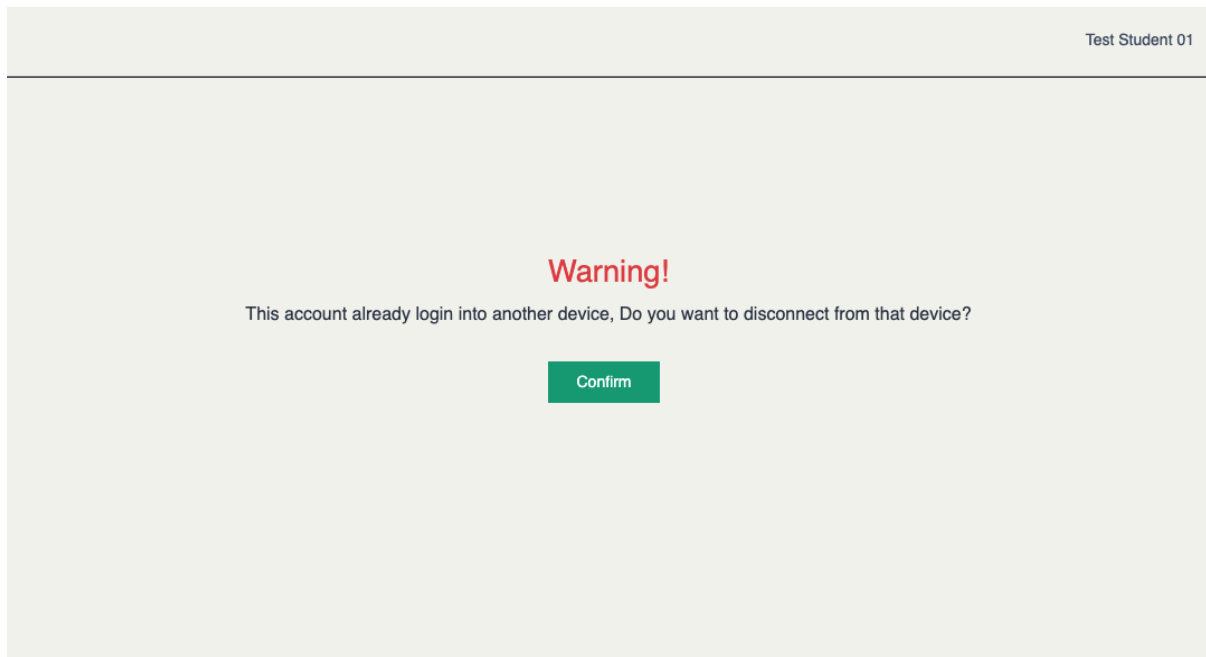
After clicking the “End Competition” button during the trial, you will be redirected to the following page.



**Figure 08: End of Trial Competition**

## 7. Multi-device Login Warning

If you switch from one computer to another computer, the system will detect multiple logins, and a warning message will appear. If you click on the “**Confirm**” button, the competition will be loaded on the current computer and you will be logged out of the previous computer. In this case, all answers will be transferred to the new computer. You can close this browser, however, if you prefer to work on the previous computer.



**Figure 09: Warning Message when Signing In With Another Computer**

Demo: <https://www.youtube.com/watch?v=gsTsFPKink>


## 8. Troubleshooting

You may encounter the following technical difficulties before or during the competition.

- I. **Internet Connectivity Issues:** Your internet connection may have suffered an interruption or instability.
- II. **Browser or Website Glitches:** Temporary malfunctions or errors may have occurred on the competition website or within your web browser.

Kindly adhere to the troubleshooting instructions provided below:

1. **Reload the Competition Website:**

- Click on the browser's reload button  .
- Wait for a few seconds to see if the page loads correctly.

2. **Check Your Internet Connection:**

- Ensure that your device is connected to the internet.
- If Wi-Fi is used, ensure that the signal strength is good or choose another network.
- Otherwise, switch to a wired connection.

3. **Clear Browser Cache:** Sometimes, old or corrupted data can cause problems with web pages.

- Navigate to your browser settings or preferences.
- Find the option to clear cache or browsing data (the exact name may vary depending on the browser).
- After clearing the cache, reload the competition website.

4. **Try a Different Browser or Device:** If you are still facing issues, consider switching to another browser (e.g., from Chrome to Firefox or vice versa) or device.

5. **Contact Technical Support:** If none of the suggested instructions work, please raise your hand and wait for the invigilator(s). The invigilators will reach out to the competition's technical support team for assistance. The technical support team will provide specific guidance and help resolve the issue.

## 9. Offline Support

In the event that you have an unstable internet connection, you can continue with the competition. When you click “End Quiz” at the final question and the internet is still disconnected, a “Submit Error” message will appear as shown. Raise your hand and inform the invigilator.

You may then choose **one of the following options**:

- **Download Answers:** Select “Download Answers” to download your work as an encrypted excel file. The Invigilator can send this file to the technical support at [soc@toffstech.com](mailto:soc@toffstech.com).
- **Copy Answers:** Select “Copy Answers” to copy your answers in **encrypted text format**. You may paste this encrypted text into a text file or send it directly to the invigilator for submission.

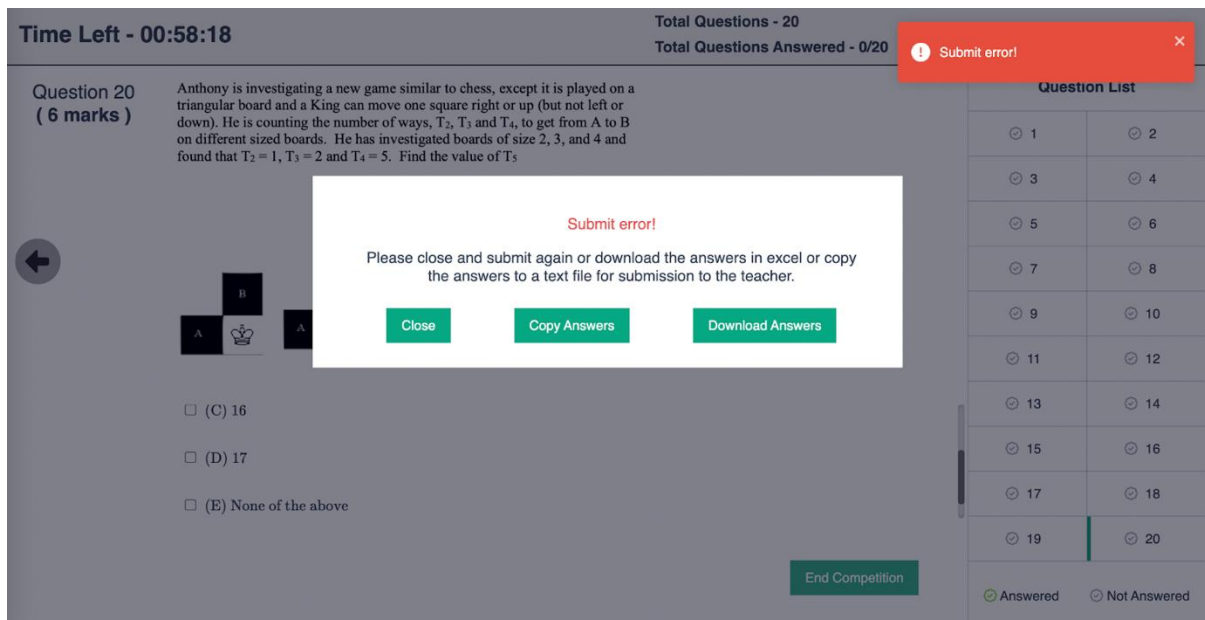
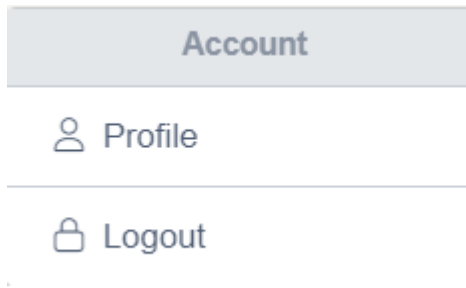


Figure 10: Submit Error Message

Demo: <https://www.youtube.com/watch?v=ooDCFUrwk94>

## 10. Student Profile Page

When you click on the button with your name at the top left corner (e.g. **Test Student 01** ▾), you can see a menu as below:



**Figure 11: Profile Menu**

Select “**Profile**” to view your profile page. You can request for the teacher-in-charge to edit your information if there are errors. Your certificate will be printed based on your name entered here.

The image is a screenshot of a web application's 'Student Profile' page. At the top right, it says 'Test Student 01' with a dropdown arrow. Below this is a 'Back' button. The main content area is divided into two sections. The first section, 'Information Student', contains two input fields: 'Name' with the value 'Test Student 01' and 'Student ID' with a greyed-out box. The second section, 'Certificate', contains a single input field labeled 'RMO Certificate'. At the bottom of the page, there is a green footer bar with the text '© 2025 Raffles Mathematical Olympiad (RMO). All Rights Reserved'.

**Figure 12: Profile Page**

**Note:** During the competition, the “**Student Profile**” menu will be hidden. You cannot change your profile or see it during the actual competition. So, make sure to check everything before the competition starts and after the competition is over.

## 11. Download Certificate

After releasing the results, you can download your e-certificates directly from the RMO Competition Portal. The certificates will only appear **after the results are released**.

You can access your certificates in two places:

1. **End of Competition** page
2. **Profile** page

### End of Competition Page

You will see the **End of Competition** message with a note reminding you to keep your login details. Once the results are released, buttons to download your certificates will appear here. You may see up to three buttons depending on your results:

- **Download Round 1 Award**
- **Download Round 2 Award** (available after Round 2 result release date)
- **Download Team Award**

Each button allows you to download your certificate in PDF format, which includes your name, school, and award.

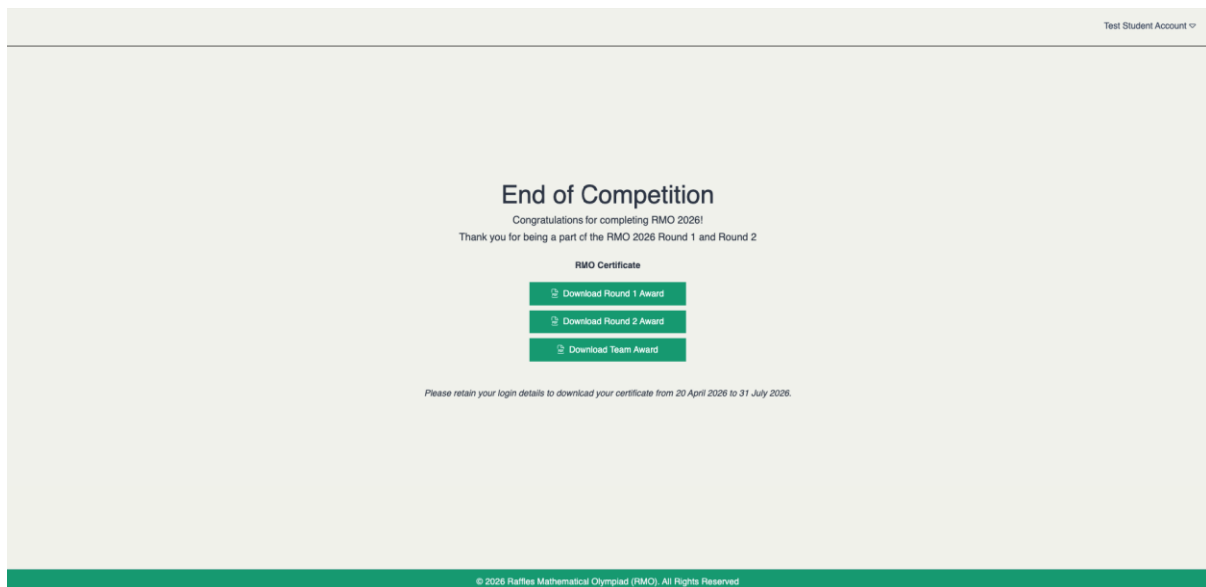
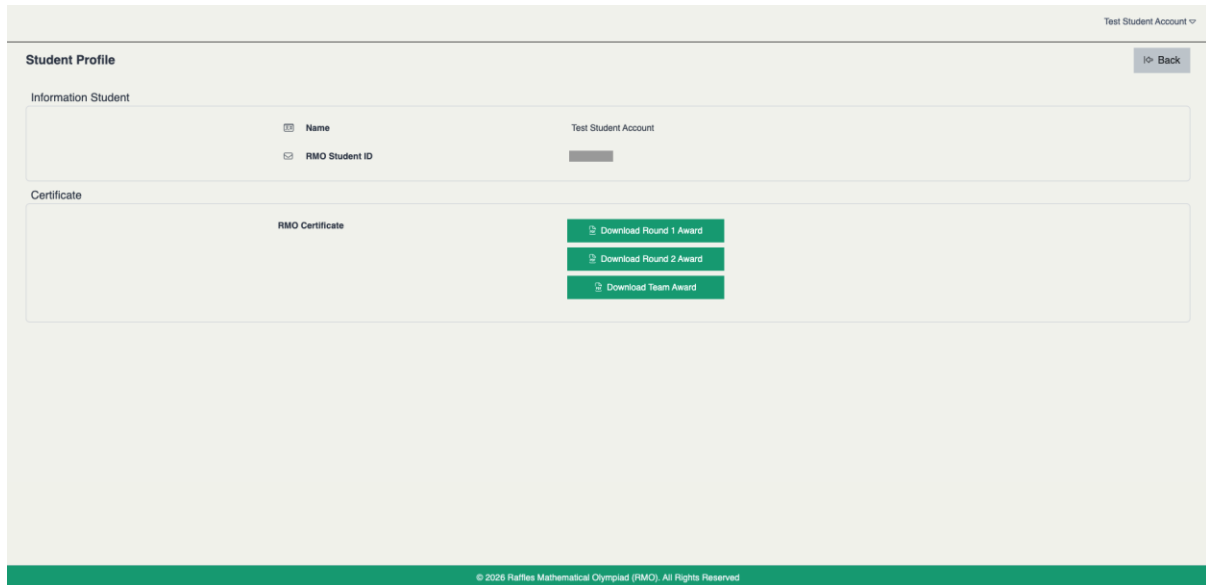


Figure 13: End of Competition Page – Download Certificates

## Profile Page

You can also view and download your certificates from your **Profile** page. The download buttons will appear under the **RMO Certificate** section.



The screenshot shows a web interface for a student profile. At the top right, it says 'Test Student Account' with a dropdown arrow. Below this is a 'Student Profile' header with a 'Back' button. The main content is divided into two sections: 'Information Student' and 'Certificate'. The 'Information Student' section contains two rows of information: 'Name' with a 'Test Student Account' value and 'RMO Student ID' with a redacted value. The 'Certificate' section contains a table with one row labeled 'RMO Certificate'. To the right of this row are three green buttons: 'Download Round 1 Award', 'Download Round 2 Award', and 'Download Team Award'. At the bottom of the page, there is a green footer bar with the text '© 2026 Raffles Mathematical Olympiad (RMO). All Rights Reserved'.

**Figure 14: Student Profile Page – Certificates Section**

Before the results are released, the download buttons will not appear.

### **Note:**

- Certificates are generated in **PDF format** and can be downloaded anytime within the given download period.
- Only students who received an award will see the download buttons.



## 12. Hardware and Software Requirements

	Minimum	Recommended
<b>Operating System</b>	Windows 7, Mac OS X 10.15, iPadOS 14, 64-bit Ubuntu 18.04+, Debian 10+, openSUSE 15.2+, or Fedora Linux 32+, Chrome OS	Windows 10 or later, macOS 12 or later, iPadOS 15 or later, Ubuntu 20 or later
<b>Device (Must be in landscape orientation)</b>	Laptops/Desktops, iPads, or tablets with a minimum screen resolution of 1024px x 768px	Monitor with resolution 1920px x 1080px, iPad 7th Gen or later, iPad Pro 4th Gen or later, iPad Air 4th Gen or later, Galaxy S4 or later
<b>Browser</b>	Google Chrome 28, Microsoft Edge 109, Firefox 115	Google Chrome latest version, Microsoft Edge latest version, Firefox latest version
<b>Internet Connection</b>	Broadband connection with minimum 1 Mbps download speed	Broadband connection with 3 Mbps download speed or higher

### Additional Device Requirement (for Offline Support):

- Your device must have **Microsoft Office installed and activated with a valid license**.
- This ensures that you can use the application for **offline support** during the competition.