

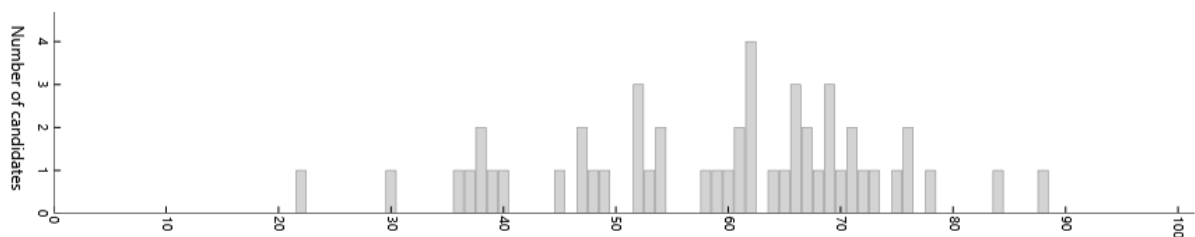


## Summary report of the 2022 ATAR course examination report: Integrated Science

Year	Number who sat	Number of absentees
2022	50	0
2021	44	1
2020	42	0
2019	68	3

The number of candidates sitting and the number attempting each section of the examination can differ as a result of non-attempts across sections of the examination.

### Examination score distribution–Written



### Summary

Attempted by 50 candidates                      Mean 59.00%                      Max 88.02%                      Min 22.48%

Section means were:

Section One: Multiple-choice	Mean 72.60%		
Attempted by 50 candidates	Mean 14.52(/20)	Max 19.00	Min 6.00
Section Two: Short response	Mean 58.57%		
Attempted by 50 candidates	Mean 29.29(/50)	Max 44.27	Min 11.98
Section Three: Extended response	Mean 50.63%		
Attempted by 50 candidates	Mean 15.19(/30)	Max 25.75	Min 4.50

### General comments

Overall, candidates achieved higher results in the Multiple-choice section compared to the Short response and Extended response sections. Most candidates attempted every question, though a few candidates may have omitted parts of a question. Several candidates used very similar answers for different parts within a question, indicating that they possibly could not discriminate what the question was asking. Many candidates answered the questions asking them to ‘describe’ very simplistically, and not using appropriate terminology where required.

### Advice for candidates

- Read questions carefully and ensure you understand what the question is asking.
- Provide answers that specifically address each question.
- Ensure you understand key differences in verbs used in questions for example an ‘explain’ questions requires more detail than a ‘describe’. Refer to the *Glossary of key words used in the formulation of questions*, which can be found on the course page.
- When asked to provide two or more points about a particular aspect, ensure each point is distinctively different.

### *Advice for teachers*

- Review past examination papers to assist students in understanding the *Glossary of key words used in the formulation of questions*.
- Expose students to questions that have multiple parts that are sequential so that students understand how to build upon answers without repeating the same information.

### **Comments on specific sections and questions**

#### **Section One: Multiple-choice (20 Marks)**

All questions were attempted by all candidates. As with previous years, this section of the examination was the most successfully answered section.

#### **Section Two: Short response (96 Marks)**

The mean for this section was 58.57%, which was an improvement over the previous year of 47.05%. Most candidates attempted all parts to each question. Candidates successfully answered Question 21 part (a) and 23 part (e), while they found answering Questions 21 part (e), 22 part (h)(ii) and 24 part (a) more difficult. The first two of these more challenging questions required candidates to explain and justify their choice. Candidates generally did not use appropriate terminology, nor clearly outline their response.

#### **Section Three: Extended response (60 Marks)**

Section Three offered candidates the opportunity to demonstrate their skills in interpreting text, diagrams (including a graph) and data. As with the previous section, all candidates attempted the questions set, but some did not answer all parts of the question. This section had a lower mean of 50.63% than the mean of the previous sections. Many candidates did not achieve full marks for their descriptions and explanations as they struggled to provide sufficient detail and use appropriate terminology.