

NATURAL SCIENCES TRIPOS

SENIOR EXAMINER'S REPORT

SUBJECT: 1B Chemistry A

Senior Examiner: [REDACTED]

Examiners: [REDACTED]

Structure of the examination:

Written papers: 2 (2x40%)

Practical components: 1 (20%)

Number of candidates: 123 (129 – 6 withdrawals)

Number sitting the exam/s outside the main exam hall/s: 17

Conduct of the Examination:

- *No incidents reported.*
- *There was no choice of questions.*

Marking/Scaling:

Data for Report			
class	number	%	
1st	38	30.89%	average 61.59
2.1	40	32.52%	SD 15.34
2.2	21	17.07%	Withdrawn 6
3rd	17	13.82%	
Fail	7	5.69%	
Total	123	100.00%	

The raw marks gave 33.87% 1sts and 63.90% 1+ 2i. They were scaled to give the percentages above, bringing them in line with the cohort percentages F (30.4%) and C (61.60%).

Candidates found paper 1 (ave mark %) more difficult than paper 2 (ave mark %), but the overall spread of marks was reasonable, as reflected by the modest amount of scaling required.

Subject Examiners' Meeting:

- *All three examiners attended.*
- *Overall we were happy with candidates' performance and the spread of marks obtained.*
- *However we noted with concern that 7 students have failed this subject. We could not reasonably scale the marks to reduce this number (as there is a clear 3 percent gap between the lowest 3rd class mark and the highest fail).*

Conclusions and Recommendations:

- *None.*

Date: 22 June 2022

(Additional information may be required by Faculty Boards (e.g. question level data); this is not needed by the Chairman of Examiners but can be included if it is easier to provide one report. Faculty Boards may publish certain information and may therefore require content to be presented in a particular format.)

NATURAL SCIENCES TRIPOS

SENIOR EXAMINER'S REPORT

SUBJECT: IB Natural Sciences Chemistry B

Senior Examiner: [REDACTED]

Examiners: [REDACTED]

Structure of the examination:

Written paper/s: Two written papers each with five compulsory questions.
Each paper contributes 40% to the final total.

Practical components: Assessed practical work contributing 20% to the final total

Number of candidates: 167 (excluding 7 withdrawn candidates).

Number sitting the exam/s outside the main exam hall/s: 18

Conduct of the Examination:

- any incidents that occurred during the examinations and summary of how they were dealt with
No issues were reported
- was the timetabling of the examinations appropriate: **All good.**
- where candidates have a choice of question, please give the number of candidates answering each question. **n/a**

Marking/Scaling:

class	number	%
1st	58	34.73%
2.1	50	29.94%
2.2	42	25.15%
3rd	14	8.38%
Fail	3	1.80%
Total	167	100.00%

average	64.59
SD	10.48
Withdrawn	7

- The raw marks before scaling produced 34.73% firsts – within 2% of the cohort figure, as required. The proportion of 1st + 2:1 needed to be scaled down from 70.66% to 64.67% to meet the cohort target.
- The performance seemed to be pretty consistent between the two papers.

Subject Examiners' Meeting:

- All examiners were present except for [REDACTED]
- The boundaries / borders were inspected and the examiners were happy with the distribution of candidates. No changes were made to any candidates.

Administration: No issues.

Conclusions and Recommendations:

- *No further recommendations.*

Date: June 23, 2022

(Additional information may be required by Faculty Boards (e.g. question level data); this is not needed by the Chairman of Examiners but can be included if it is easier to provide one report. Faculty Boards may publish certain information and may therefore require content to be presented in a particular format.)