

# VCE Bulletin Supplement 1



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## Examination advice: June examinations General Achievement Test (GAT)

It is recommended that teachers supply students with a copy of the front cover of each of their examinations, a copy of each of the relevant answer sheets for multiple-choice questions and data/formula sheets. Teachers should ensure that students are aware of the correct method of completing all multiple-choice answer sheets, script books and answer books, and practise these procedures prior to the examination.

Teachers should make the following information available to students:

### Front covers of examination books

Pages 7–19 contain the front covers of the June examination and General Achievement Test (GAT) books.

Students should note that the number of pages shown for the examination booklets under **Materials** may differ from the number indicated in the actual examination books. Similarly, the number of questions and mark allocations shown in **Instructions** may differ from the information indicated in the actual examination books.

### Data and formula sheets

Pages 20–21 and 22–23 contain the data sheets and formula sheets included in the Chemistry Exam 1 and Physics Exam 1 respectively.

### Answer sheets for multiple-choice questions

Pages 2–6 contain sample answer sheets for multiple-choice questions in the Biology Exam 1, Chemistry Exam 1, Environmental Science Exam 1, Psychology Exam 1 and GAT.

The answer sheet issued to each student will have the student's name and student number printed near the top of the sheet. Each student will be required to confirm that both their name and number as printed on the answer sheet are correct by signing their name on the sheet.

Students will indicate their response to a question by shading the appropriate square. Students should carefully follow the instructions printed on each answer sheet.



**VCE BIOLOGY 2002**  
Written Examination 1  
**ANSWER SHEET**

STUDENT NAME: Mary Student

STUDENT NUMBER

9	9	1	2	3	4	5	6	A
0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9

**INSTRUCTIONS:** **USE PENCIL ONLY**

**SIGN HERE IF YOUR NAME AND NUMBER ARE PRINTED CORRECTLY.**

SIGNATURE: \_\_\_\_\_

If your name or number on this sheet is incorrect, notify the Supervisor.  
Use a **PENCIL** for **ALL** entries. For each question, shade the box which indicates your answer.  
All answers must be completed like **THIS** example: 

A	<input checked="" type="checkbox"/>	C	D
---	-------------------------------------	---	---

  
Marks will **NOT** be deducted for incorrect answers.  
**NO MARK** will be given if more than **ONE** answer is completed for any question.  
If you make a mistake, **ERASE** the incorrect answer – **DO NOT** cross it out.

**SUPERVISOR USE ONLY**

**USE PENCIL ONLY**

Shade the **'ABSENT'** box if the student was absent from the examination.

**ABSENT**

SUPERVISOR'S INITIALS: \_\_\_\_\_

ONE ANSWER PER LINE					ONE ANSWER PER LINE					ONE ANSWER PER LINE				
1	A	B	C	D	10	A	B	C	D	19	A	B	C	D
2	A	B	C	D	11	A	B	C	D	20	A	B	C	D
3	A	B	C	D	12	A	B	C	D	21	A	B	C	D
4	A	B	C	D	13	A	B	C	D	22	A	B	C	D
5	A	B	C	D	14	A	B	C	D	23	A	B	C	D
6	A	B	C	D	15	A	B	C	D	24	A	B	C	D
7	A	B	C	D	16	A	B	C	D	25	A	B	C	D
8	A	B	C	D	17	A	B	C	D					
9	A	B	C	D	18	A	B	C	D					

Please **DO NOT** fold, bend or staple this form.





**VCE CHEMISTRY 2002**  
Written Examination 1  
**ANSWER SHEET**

STUDENT NAME: Mary Student

STUDENT NUMBER

9	9	1	2	3	4	5	6	A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**INSTRUCTIONS:** **USE PENCIL ONLY**

**SIGN HERE IF YOUR NAME AND NUMBER ARE PRINTED CORRECTLY.**

SIGNATURE: \_\_\_\_\_

If your name or number on this sheet is incorrect, notify the Supervisor.  
Use a **PENCIL** for **ALL** entries. For each question, shade the box which indicates your answer.  
All answers must be completed like **THIS** example: 

A	<input checked="" type="checkbox"/>	C	D
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Marks will **NOT** be deducted for incorrect answers.  
**NO MARK** will be given if more than **ONE** answer is completed for any question.  
If you make a mistake, **ERASE** the incorrect answer – **DO NOT** cross it out.

**SUPERVISOR USE ONLY**

**USE PENCIL ONLY**

Shade the "ABSENT" box if the student was absent from the examination.

**ABSENT**

SUPERVISOR'S INITIALS \_\_\_\_\_

ONE ANSWER PER LINE					ONE ANSWER PER LINE				
1	A	B	C	D	11	A	B	C	D
2	A	B	C	D	12	A	B	C	D
3	A	B	C	D	13	A	B	C	D
4	A	B	C	D	14	A	B	C	D
5	A	B	C	D	15	A	B	C	D
6	A	B	C	D	16	A	B	C	D
7	A	B	C	D	17	A	B	C	D
8	A	B	C	D	18	A	B	C	D
9	A	B	C	D	19	A	B	C	D
10	A	B	C	D	20	A	B	C	D

Please **DO NOT** fold, bend or staple this form.





VCE ENVIRONMENTAL SCIENCE 2002  
Written Examination 1  
ANSWER SHEET

STUDENT NAME:

STUDENT NUMBER

9	9	1	2	3	4	5	6	A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSTRUCTIONS: USE PENCIL ONLY

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SIGNATURE:

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If you make a mistake, **ERASE** the incorrect answer – **DO NOT** cross it out.

**SUPERVISOR USE ONLY**

USE PENCIL ONLY

Shade the "ABSENT" box if the student was absent from the examination.

**ABSENT**

SUPERVISOR'S INITIALS

ONE ANSWER PER LINE					ONE ANSWER PER LINE				
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please **DO NOT** fold, bend or staple this form.



**VCE PSYCHOLOGY 2002**  
Written Examination 1  
**ANSWER SHEET**

STUDENT NAME: Mary Student

STUDENT NUMBER

9	9	1	2	3	4	5	6	A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**INSTRUCTIONS:** **USE PENCIL ONLY**

**SIGN HERE IF YOUR NAME AND NUMBER ARE PRINTED CORRECTLY.**

SIGNATURE: \_\_\_\_\_

If your name or number on this sheet is incorrect, notify the Supervisor.  
Use a **PENCIL** for **ALL** entries. For each question, shade the box which indicates your answer.  
All answers must be completed like **THIS** example: 

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Marks will **NOT** be deducted for incorrect answers.  
**NO MARK** will be given if more than **ONE** answer is completed for any question.  
If you make a mistake, **ERASE** the incorrect answer – **DO NOT** cross it out.

**SUPERVISOR USE ONLY**

**USE PENCIL ONLY**

Shade the "ABSENT" box if the student was absent from the examination.

**ABSENT**

SUPERVISOR'S INITIALS: \_\_\_\_\_

AREA OF STUDY 1					AREA OF STUDY 2					AREA OF STUDY 3				
ONE ANSWER PER LINE					ONE ANSWER PER LINE					ONE ANSWER PER LINE				
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please **DO NOT** fold, bend or staple this form.



# GAT 2002

## General Achievement Test

### ANSWER SHEET

STUDENT NAME: Mary Student

STUDENT NUMBER

9	9	1	2	3	4	5	6	A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**INSTRUCTIONS:** **USE PENCIL ONLY**

**SIGN HERE IF YOUR NAME AND NUMBER ARE PRINTED CORRECTLY.**

SIGNATURE: \_\_\_\_\_

If your name or number on this sheet is incorrect, notify the Supervisor.  
 Use a **PENCIL** for **ALL** entries. For each question, shade the box which indicates your answer.  
 All answers must be completed like **THIS** example:  A  B  C  D  
 Marks will **NOT** be deducted for incorrect answers.  
**NO MARK** will be given if more than **ONE** answer is completed for any question.  
 If you make a mistake, **ERASE** the incorrect answer – **DO NOT** cross it out.

**SUPERVISOR USE ONLY**

Shade the "ABSENT" box if the student was absent from the examination.

**ABSENT**

SUPERVISOR'S INITIALS: \_\_\_\_\_

	ONE ANSWER PER LINE	ONE ANSWER PER LINE	ONE ANSWER PER LINE
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Please **DO NOT** fold, bond or staple this form.



# Victorian Certificate of Education 2002

## ACCOUNTING

### Written examination 1

Tuesday 11 June 2002

Reading time: 2.45 pm to 3.00 pm (15 minutes)

Writing time: 3.00 pm to 4.30 pm (1 hour 30 minutes)

### QUESTION BOOK

#### Structure of book

<i>Number of questions</i>	<i>Number of questions to be answered</i>	<i>Number of marks</i>
3	3	60

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, an approved graphics calculator (memory cleared) and/or one scientific calculator.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.

#### Materials supplied

- Question book of 9 pages.
- Answer book of 11 pages.

#### Instructions

- Write your **student number** in the space provided on the front page of the answer book.
- Answer all questions (in any order) in the answer book.
- All written responses must be in English.

#### At the end of the examination

- You may keep this question book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**





SUPERVISOR TO ATTACH PROCESSING LABEL HERE

# Victorian Certificate of Education 2002

## STUDENT NUMBER

Letter

Figures


Words

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# BIOLOGY

## Written examination 1

Wednesday 12 June 2002

Reading time: 9.00 am to 9.15 am (15 minutes)

Writing time: 9.15 am to 10.45 am (1 hour 30 minutes)

## QUESTION AND ANSWER BOOK

### Structure of book

Section	Number of questions	Number of questions to be answered	Number of marks	Suggested times (minutes)
1	25	25	25	30
2	7	7	50	60
			Total 75	90

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners and rulers.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
- No calculator is allowed in this examination.

### Materials supplied

- Question and answer book of 21 pages.
- Answer sheet for multiple-choice questions.

### Instructions

- Write your **student number** in the space provided above on this page.
- Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
- All written responses must be in English.

### At the end of the examination

- Place the answer sheet for multiple-choice questions inside the front cover of this book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**

**SECTION 1****Instructions for Section 1**

Answer all questions in pencil on the answer sheet for multiple-choice questions.  
A correct answer scores 1, an incorrect answer scores 0. Marks will **not** be deducted for incorrect answers. No mark will be given if more than one answer is completed for any question.

**SECTION 2****Instructions for Section 2**

Answer this section in pen.  
Answer all questions in the spaces provided.

**SAMPLE**  
Number of questions and mark allocations  
may vary from the information indicated.



# Victorian Certificate of Education 2002

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## STUDENT NUMBER

Letter

Figures										
Words										

# CHEMISTRY

## Written examination 1

Tuesday 11 June 2002

Reading time: 11.45 am to 12.00 noon (15 minutes)

Writing time: 12.00 noon to 1.30 pm (1 hour 30 minutes)

## QUESTION AND ANSWER BOOK

### Structure of book

Section	Number of questions	Number of questions to be answered	Number of marks	Suggested times (minutes)
A	20	20	20	27
B	7	7	52	63
			Total 72	90

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, an approved graphics calculator (memory cleared) and/or one scientific calculator.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.

### Materials supplied

- Question and answer book of 18 pages, with a detachable data sheet in the centrefold.
- Answer sheet for multiple-choice questions.

### Instructions

- Detach the data sheet from the centre of this book during reading time.
- Write your **student number** in the space provided above on this page.
- Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
- All written responses must be in English.

### At the end of the examination

- Place the answer sheet for multiple-choice questions inside the front cover of this book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**

**SECTION A****Instructions for Section A**

Answer all questions in pencil on the answer sheet provided for multiple-choice questions.

A correct answer scores 1, an incorrect answer scores 0. Marks will **not** be deducted for incorrect answers. No mark will be given if more than one answer is completed for any question.

**SECTION B****Instructions for Section B**

Answer all questions in the spaces provided.

To obtain full marks for your responses you should

- give simplified answers with an appropriate number of significant figures to all numerical questions; unsimplified answers will not be given full marks.
- show all working in your answers to numerical questions. No credit will be given for an incorrect answer unless it is accompanied by details of the working.
- make sure chemical equations are balanced and that the formulas for individual substances include an indication of state; for example,  $\text{H}_2(\text{g})$ ;  $\text{NaCl}(\text{s})$ .



# Victorian Certificate of Education 2002

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## STUDENT NUMBER

Letter

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# ENVIRONMENTAL SCIENCE

## Written examination 1

Wednesday 12 June 2002

Reading time: 2.45 pm to 3.00 pm (15 minutes)

Writing time: 3.00 pm to 4.30 pm (1 hour 30 minutes)

## QUESTION AND ANSWER BOOK

### Structure of book

Section	Number of questions	Number of questions to be answered	Number of marks
A	20	20	20
B	7	7	70
			Total 90

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, an approved graphics calculator (memory cleared) and/or one scientific calculator.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.

### Materials supplied

- Question and answer book of 19 pages.
- Answer sheet for multiple-choice questions.

### Instructions

- Write your **student number** in the space provided above on this page.
- Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
- All written responses must be in English.

### At the end of the examination

- Place the answer sheet for multiple-choice questions inside the front cover of this book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**

**SECTION A – Multiple-choice questions****Instructions for Section A**

Answer all questions in pencil on the answer sheet for multiple-choice questions.

A correct answer scores 1, an incorrect answer scores 0. Marks will **not** be deducted for incorrect answers. No mark will be given if more than one answer is shown for any question.

**SECTION B – Short-answer questions****Instructions for Section B**

Answer all questions in the spaces provided.

**SAMPLE**  
Number of questions and mark allocations  
may vary from the information indicated.



# Victorian Certificate of Education 2002

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## STUDENT NUMBER

Letter

Figures									
Words									

# PHYSICS

## Written examination 1

Wednesday 12 June 2002

Reading time: 11.45 am to 12.00 noon (15 minutes)

Writing time: 12.00 noon to 1.30 pm (1 hour 30 minutes)

## QUESTION AND ANSWER BOOK

### Structure of book

Area	Number of questions	Number of questions to be answered	Number of marks	Suggested times (minutes)
1. Sound	12	12	30	30
2. Electric power	13	13	30	30
3. Electronic systems	17	17	30	30
			Total 90	90

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, up to two pages (one A4 sheet) of pre-written notes (typed or handwritten) and an approved graphics calculator (memory cleared) and/or one scientific calculator.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.

#### Materials supplied

- Question and answer book of 27 pages, with a detachable formula sheet in the centrefold.

#### Instructions

- Detach the formula sheet from the centre of this book during reading time.
- Write your **student number** in the space provided above on this page.
- Answer all questions in this question and answer book where indicated.
- **Always** show your working where space is provided and place your answer(s) to multiple-choice questions in the box provided.
- All written responses must be in English.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**



# Victorian Certificate of Education 2002

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## STUDENT NUMBER

Figures									Letter	
Words										

# PSYCHOLOGY

## Written examination 1

Tuesday 11 June 2002

Reading time: 9.00 am to 9.15 am (15 minutes)

Writing time: 9.15 am to 10.45 am (1 hour 30 minutes)

## QUESTION AND ANSWER BOOK

### Structure of book

Section	Area of study	Number of questions	Number of questions to be answered	Number of marks
A	1. Biological Bases of Behaviour	15	15	15
	2. Visual Perception	15	15	15
	3. States of Consciousness	15	15	15
B	1. Biological Bases of Behaviour	6	6	15
	2. Visual Perception	6	6	15
	3. States of Consciousness	6	6	15
				Total 90

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners and rulers.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
- No calculator is allowed in this examination.

### Materials supplied

- Question and answer book of 21 pages.
- Answer sheet for multiple-choice questions.

### Instructions

- Write your **student number** in the space provided above on this page.
- Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
- All written responses must be in English.

### At the end of the examination

- Place the answer sheet for multiple-choice questions inside the front cover of this book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**

**SECTION A – Multiple-choice questions****Instructions for Section A**

There are 15 questions for each of the three areas of study.

Answer all questions in pencil on the answer sheet provided for multiple-choice questions.

A correct answer scores 1, an incorrect answer scores 0. Marks will **not** be deducted for incorrect answers. No mark will be given if more than one answer is completed for any question.

**SECTION B – Short-answer questions****Instructions for Section B**

There are 6 questions for each of the three areas of study.

Answer all questions in the spaces provided.

**SAMPLE**  
Number of questions and mark allocations  
may vary from the information indicated.



## Victorian Certificate of Education 2002

# General Achievement Test

Thursday 13 June 2002

Reading time: 10.00 am to 10.15 am (15 minutes)

Writing time: 10.15 am to 1.15 pm (3 hours)

## QUESTION BOOK

### Structure of book

<i>Type of question</i>	<i>Number of questions to be answered</i>	<i>Suggested times (minutes)</i>	<i>Suggested time allocation</i>
Writing Task 1	1	30	10.15 – 10.45
Writing Task 2	1	30	10.45 – 11.15
Multiple-choice questions	70	120	11.15 – 1.15

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, and an English and/or bilingual dictionary.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
- No calculator is allowed in this examination.

### Materials supplied

- Question book of 36 pages.
- Answer sheet for multiple-choice questions.
- Script book for **both** Writing Task 1 and Writing Task 2.

### Instructions

- Write your **student number** on the script book.
- Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
- Follow the times suggested for each task.
- You may complete tasks in any order and you may return to any task at any time.
- Do not waste time on one particular multiple-choice question. If you find a question very difficult, return to it later.
- Answer all questions.
- All written responses must be in English.

### At the end of the test

- Place the answer sheet for multiple-choice questions inside the front cover of the script book.
- You may keep this question book.

**Students are NOT permitted to bring mobile phones and/or any other electronic communication devices into the examination room.**

**WRITING TASK 1**

*To be answered in the script book in pen, not pencil.  
You are advised to allocate 30 minutes to this task.*

Consider the information on these two pages.

Develop a piece of writing presenting the major ideas in the material.

Your piece will be judged on:

- how well you organise and present your understanding of the material; and
- how clearly you express yourself.

**WRITING TASK 2**

*To be answered in the script book in pen, not pencil.  
You are advised to allocate 30 minutes to this task.*

Consider the comments below.

Develop a piece of writing presenting your view of one or more of the statements.

Your piece of writing will be judged on:

- the quality of what you say about the issue, regardless of the point of view you express; and
- how effectively you express yourself.

**MULTIPLE-CHOICE QUESTIONS**

*To be answered on the Answer Sheet for  
Multiple-Choice Questions*

*You are advised to allocate 2 hours to this task.*

Choose the response that is **correct** or **best answers the question**, and shade the square on the answer sheet for multiple-choice questions according to the instructions on that sheet.

A correct answer is worth 1 mark, an incorrect answer is worth 0 marks. No marks will be given if more than one answer is shown for any question. Marks **will not** be deducted for incorrect answers.

**Chemistry formula  
(hard copy)**

**Chemistry formula  
(hard copy)**

**Physics formula  
(hard copy)**

**Physics formula  
(hard copy)**



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