



## Victorian Certificate of Education 2005

# INDUSTRY AND ENTERPRISE STUDIES

## Written examination

Thursday 17 November 2005

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

Writing time: 12.00 noon to 2.00 pm (2 hours)

### QUESTION BOOK

#### Structure of book

| <i>Section</i> | <i>Number of questions</i> | <i>Number of questions to be answered</i> | <i>Number of marks</i> |
|----------------|----------------------------|---|------------------------|
| A              | 4                          | 4   | 40                     |
| B              | 3                          | 1   | 10                     |
|                |                            |   | Total 50               |

- 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 book of 4 pages.
- One or more script books.

#### Instructions

- Write your **student number** in the space provided on the front cover(s) of the script book(s).
- You are encouraged to draw on your work placement and wider industry knowledge in answering questions on this paper.
- All written responses must be in English.

#### At the end of the examination

- Place all other used script books inside the front cover of the first script book.
- You may keep this question book.

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

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

Answer **all** questions in this section in the script book(s) provided.

**Question 1**

- a. Define the following terms. For each term, **give an example**.
- i. workplace training
  - ii. enterprise skills
  - iii. balance of payments
- b. Explain the key differences between an industrial award and an individual employment contract.

6 + 4 = 10 marks

**Question 2**

The following is an extract from a newspaper article that appeared in the *Herald Sun* on 9 November 2004.

**Industry falling in a hole**

Timothy Piper, *Herald Sun*,  
9 November 2004

A deep skills gap is widening in Australian industry.

A review conducted by the Australian Industry Group estimates that between 18 000 and 21 000 positions for skilled tradespersons in manufacturing are unfilled.

These are positions for machinists, boiler makers, electricians, engineers, biotechnicians, fitters and turners, mechanics, laboratory assistants, plant managers, process workers, sheet metal workers, welders and wood machinists.

Most unfilled positions are in the traditional trades and at middle skill levels: metal trades (21 per cent),

electrical and electronic (38 per cent), printing (45 per cent) and construction (18 per cent).

These positions remain vacant because employers are not able to find the people with the right skills, qualifications or experience.

In the short term, enterprises may experience increased recruitment or operating costs, reduced productivity and constraints on business development and expansion.

In the longer term, they may adapt their operations to a lower skills base or industries and occupations may disappear altogether.

The Australian Industry Group has developed a new training structure – the technology cadetship – which combines the technical and employability skills needed by modern manufacturing industry.

Young people will have the opportunity to earn while they learn skills relevant to the workplace.

The cadetship will provide an excellent foundation for career development in the manufacturing industry and, in time, will be expanded to cover higher level qualifications, providing a real career path for individuals and vital skills for the manufacturing sector.

Refer to the article above and your knowledge of industry to answer the following questions.

- a. Explain what is meant by the term ‘skills shortage’. Identify **one** occupation or industry that has a skills shortage.
- b. Outline **two** likely effects of a continuing skills shortage in Australia.
- c. Identify and describe **two** strategies that the government and/or employers could use to ensure the future supply of labour.

2 + 4 + 4 = 10 marks

**Question 3**

‘Enterprise involves creating and maintaining a project, and need not necessarily involve profit making. It encourages the recognition of significant and innovative opportunity, the appropriate management of risk taking and the mobilisation of resources to enable the successful completion of a project.’

*Industry and Enterprise Studies Study Design, VCAA, p. 7*

- a. Identify and describe **two** characteristics of enterprising behaviour.
- b. Using a workplace or industry that you are familiar with, describe how enterprise assists in the achieving of goals in that workplace or industry.
- c. Explain how developing an enterprising culture will assist Australian industry.

4 + 4 + 2 = 10 marks

**Question 4**

‘Over recent years it has become increasingly clear that our current water use is not sustainable.’

*Victorian Government White Paper, Securing Our Water Future Together, 2004*

Water is essential to basic human needs. It is also important to many industries and for the natural environment.

- a. ‘... our current water use is not sustainable.’ What does this mean?
- b. Give **two** reasons why our current water use is not sustainable.
- c. With reference to an industry or workplace with which you are familiar, outline their most significant use of water.
- d. Describe **two** major strategies this industry or workplace could implement to conserve water use.

2 + 2 + 2 + 4 = 10 marks

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

Answer **one** question in this section in the script book(s) provided.

**Question 1****Topic: Training and workplace learning**

- a. Identify and describe **three** types of training used in the workplace.
- b. Explain **two** ways in which training could improve productivity in the workplace.

6 + 4 = 10 marks

**OR**

**Question 2****Topic: Quality**

- a. Identify a quality system or process used in industry. Describe **three** principles that operate within that system or process.
- b. Explain **two** ways in which employees could assist in improving quality processes in the workplace.

6 + 4 = 10 marks

**OR**

**Question 3****Topic: Technology**

The use of technology has transformed the Australian workplace in the past twenty-five years.

- a. Select an industry with which you are familiar. Identify and describe **three** pressures and/or opportunities technology has created in that industry.
- b. Explain **two** ways in which appropriate training can assist the implementation of technology in the workplace.

6 + 4 = 10 marks

**END OF QUESTION BOOK**