

STUDENT NUMBER           Letter

# INDUSTRY AND ENTERPRISE

## Written examination

Wednesday 6 November 2019

Reading time: 3.00 pm to 3.15 pm (15 minutes)

Writing time: 3.15 pm to 5.15 pm (2 hours)

## QUESTION AND ANSWER BOOK

### Structure of book

<i>Number of questions</i>	<i>Number of questions to be answered</i>	<i>Number of marks</i>
7	7	70

- 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 correction fluid/tape.
- No calculator is allowed in this examination.

#### Materials supplied

- Question and answer book of 24 pages
- Additional space is available at the end of the book if you need extra paper to complete an answer.

#### Instructions

- Write your **student number** in the space provided above on this page.
- All written responses must be in English.

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







**Question 2** (12 marks)

a. Define the term 'workplace flexibility'.

2 marks

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b. Describe **one** example of a flexible work arrangement.

2 marks

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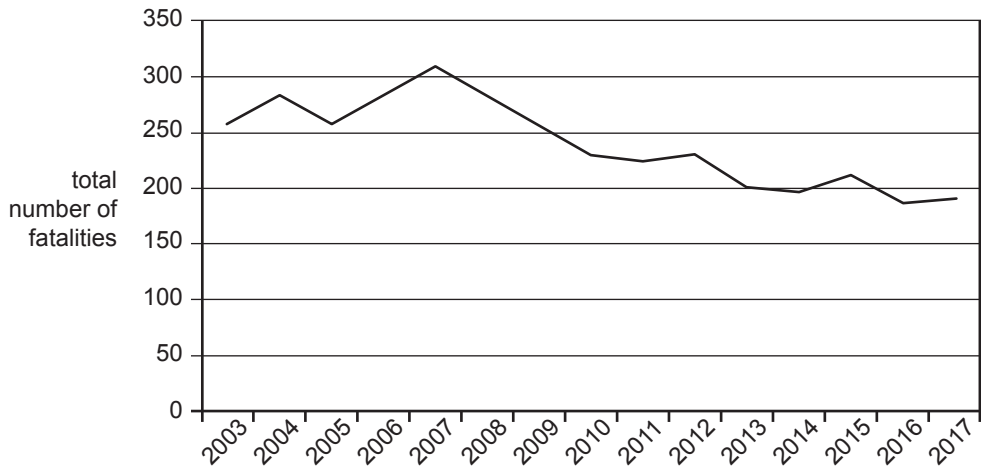




**Question 4** (5 marks)

The graph and diagram below provide information on work-related injury fatalities<sup>1</sup> in Australia.

**Trend in work-related injury fatalities, 2003–2017**

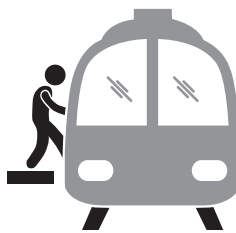


**Work-related injury fatalities by industry, 2017**



**Agriculture, forestry and fishing**

**16.5**  
fatalities per  
100 000 workers



**Transport, postal and warehousing**

**8.6**  
fatalities per  
100 000 workers



**Arts and recreation services**

**3.5**  
fatalities per  
100 000 workers

Source: adapted from Safe Work Australia, 'Work-related injury fatalities – Key WHS statistics Australia 2018', Commonwealth of Australia, 2018, <[www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au)>

<sup>1</sup>fatalities – deaths

- a. Outline what the data shown on page 10 suggests about workplace safety in Australia from 2003 to 2017.

2 marks

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- b. Identify and describe an enterprising response to improve workplace safety in a community and/or work setting with which you are familiar.

3 marks

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**Question 5 (9 marks)**

**a.** Define the term ‘industry’.

2 marks

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**b.** Explain the relationship between work-related skills and the enterprising use of technology.

3 marks

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**Question 6** (11 marks)

- a. Describe **one** recent government initiative that creates potential for change in Australian industry.

2 marks

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- b. Analyse how the need to be internationally competitive has created both pressure and opportunity for change in Australian industry.

4 marks

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**Question 7** (16 marks)

**Source 1**

**Australia ranks third in 2018 International Innovation Scorecard**

A global ranking by the US-based Consumer Technology Association (CTA) has placed Australia third out of 38 countries in its inaugural<sup>1</sup> 2018 International Innovation Scorecard.

Finland and the United Kingdom ranked first and second respectively, while Sweden and the US followed Australia in fourth and fifth place.

Source: Australian Trade and Investment Commission, ‘Australia ranks third in 2018 International Innovation Scorecard’, Investor Updates, 18 January 2018, <[www.austrade.gov.au](http://www.austrade.gov.au)>

<sup>1</sup>**inaugural** – first

**Source 2**

Australia’s development has been forged through its enterprising spirit – the resilience, creativity and unquenchable desire to succeed. Australian innovations have improved the lives of billions – from the black box flight recorder to Google Maps, from Wi-Fi technology to the bionic ear, from spray-on skin to a vaccine for cervical cancer.

Source: Department of Foreign Affairs and Trade, ‘Innovation’, <<https://dfat.gov.au/about-australia/society-culture/Pages/innovation.aspx>>

- a. What do the two sources above suggest about the response of Australian industries to the need for innovation? 2 marks

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- b. Identify and explain **one** people-based innovation that, in the last four years, has occurred in a community, work or industry setting with which you are familiar.

3 marks

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c. Explain how research and development has assisted the development of innovation in a community or work setting with which you are familiar.

3 marks

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