

STUDENT NUMBER

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INDUSTRY AND ENTERPRISE

Written examination

Friday 14 November 2014

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 white out liquid/tape.
- No calculator is allowed in this examination.

Materials supplied

- Question and answer book of 20 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.

Instructions

Answer **all** questions in the spaces provided.

You are encouraged to draw on your structured workplace learning and wider industry knowledge when answering questions in this paper.

Question 1 (7 marks)

Jeremy is a student who is completing his structured workplace learning by taking part in a school-based project to produce an anti-bullying kit for Year 7 students at his school. Roles have been allocated to team members and Jeremy has been elected the overall manager of the project.

- a.** Describe how Jeremy could develop his planning and organising skills during this project. 2 marks

- b.** Describe **one** other work-related skill that Jeremy may use in his role as the overall manager. 2 marks

- c. Explain how the development of work-related skills in individuals contributes to an enterprise culture in a community and/or work setting.

3 marks

Question 5 (10 marks)

a. Outline the key features of an enterprise culture.

2 marks

b. Compare the work-related skills of leadership and teamwork.

3 marks

Question 6 (13 marks)



Source: Yassmin Abdel-Magied, 'Manufacturing will be what we make it',
The Sydney Morning Herald, 18 February 2014

¹**venture capitalism** – investment in a project that involves a substantial element of risk

²**powerhouse** – a powerful person or organisation

³**niche** – specialised

a. Define the term 'international competitiveness'. 2 marks

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TURN OVER

Question 7 (16 marks)**Article 1****AusIndustry assisting FreshBins**

FreshBins' specially equipped and fitted bin-cleaning truck can clean up to 1,000 bins in a day using just half-a-cup of water on each bin.

Made possible by FreshBins' passion and Australian Government research and development assistance, the truck solution uses patented 3D robotics and chemical-free cleaning and sanitising processes, destroying all bacteria and pathogens without toxic chemicals.

The unit also filters all waste from the sanitised water which is recycled for continuous cleaning. This process removes the need to dump contaminated water, thus saving our most precious resource, water.

Cleaning a bin at home by hand, generally takes between 20 and 100 litres of water to replicate the job which FreshBins' technology can achieve with half-a-cup of water.

The cleaning operator does not need to leave the cabin of the truck, so is not physically involved in the cleaning process. This eliminates the occupational health and safety issues typically associated with manual bin cleaning services.

FreshBins Managing Director, Paul Sewell, said ... 'Research and development is very important for creating new jobs in Australia and a tax concession program helps make that R&D possible ... The driving force for FreshBins is to create well-paid jobs for Australia and we are really proud that all of our manufacturing is done here in Australia. It took us a lot of work to do that.'

Source: Australian Government, Department of Industry, Building Success website, 'AusIndustry assisting FreshBins', 2013

Article 2**FreshBins cleans up with research**

... the R&D Tax Incentive [is] the principal Commonwealth Government initiative to increase the amount of research and development undertaken in Australia. The aim is to encourage innovative, competitive and export-oriented Australian industries ...

FreshBins' awards cabinet is now full to overflowing after taking out four awards in 2010 with its truck ... and just recently the company won the Victorian Engineering Awards for Research and Development/Innovation. The company's four awards were the Worksafe Victoria 2010 best OH&S solution in manufacturing, logistics and agriculture; the 2010 savewater innovation award and the best innovation award; and green business award at the 2010 Powercor Business Awards.

Source: Australian Government, Department of Industry, AusIndustry website, Customer story, 'FreshBins cleans up with research', 2012

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- c. Explain how FreshBins has used technology-focused innovation to develop an enterprise culture in its organisation.

3 marks
