



## Open cut examiner of coal mines other than underground coal mines OCE1 – Legislation

Candidate no.: \_\_\_\_\_

### Legislation to be assessed

Unless otherwise stated all references to Act and Regulations are to:

- *Work Health and Safety Act 2011*
- *Work Health and Safety Regulation 2017*
- *Work Health and Safety (Mines and Petroleum Sites) Act 2013*
- *Work Health and Safety (Mines and Petroleum Sites) Regulation 2022*
- *Explosives Act 2003*
- *Explosives Regulation 2024*

### Exam details

Region: New South Wales

Venue: Tocal College

Room: The Hall

Start date/time: Wednesday 18 June 2025 9:00am

End date/time: Wednesday 18 June 2025 10:10am

Duration: 01:10

### Instructions to candidates

- Answers are to be written in the allocated spaces within this booklet ONLY
- Answers must be written in pen however, drawings may be completed in pencil
- This booklet is not to be altered in any way, pages are not to be added or removed
- Additional space is provided at the end of the paper. Please label which question the answer relates to.
- Essential questions will be marked in red
- You must pass the essential questions and obtain a total of 60 marks to pass this paper

## Marking Sheet

Candidate no.: \_\_\_\_\_

Question Number		Mark	Available mark	Marked by <i>Name</i>	Summary comments to justify, as necessary
1	A i <b>(ESSENTIAL)</b>		10		
	A ii		2.5		
	A iii		2.5		
	B		10		
	<b>Subtotal</b>		<b>25</b>		
2	1-13		13		
	14		2.5		
	15		2.5		
	16		3		
	17		4		
	<b>Subtotal</b>		<b>25</b>		
3	A		5		
	B <b>(ESSENTIAL)</b>		10		
	C		10		
	<b>Subtotal</b>		<b>25</b>		
4	A		5		
	B		12		

Question Number		Mark	Available mark	Marked by <i>Name</i>	Summary comments to justify, as necessary
	C		4		
	D		4		
	Subtotal		25		
PAPER	TOTAL		100		Marks checked by:

## Question 1

### Statutory function of an OCE (Total 25 marks)

A. Schedule 10, part 3, section 18 of the *WHS (Mines and Petroleum Sites) Regulation 2022* outlines the statutory function of the Open-Cut Examiner (OCE).

i. What is the statutory function of the OCE as per section 18? (10 marks) (ESSENTIAL QUESTION) You must obtain 5 marks or more to pass this question and this paper.

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ii. What key requirement must a person hold to exercise this statutory function? **(2.5 marks)**

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iii. In what circumstances does Section 18 not apply? (2.5 marks)

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B. Section 28 of the Work Health and Safety Act 2011 outlines the duties of workers while at work. Summarise the four key duties imposed on workers under Section 28. **(10 marks)**

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## Question 2

Multiple choice and fill in the blanks questions. **(Total 25 marks)**

Some may have a single answer, where as some will require multiple answers. Circle the correct answer(s).

1. How often must the mine's emergency plan be tested? **(1 mark)**

- A) Every 6 months
- B) Every 2 years
- C) Annually or after significant revisions
- D) Only when directed by the regulator

2. At open cut coal mines, dust monitoring must occur: **(1 mark)**

- A) Only after worker complaints
- B) Monthly
- C) Every 12 months minimum
- D) Only during high production periods

3. The size of inspection areas must be: **(1 mark)**

- A) No larger than what a competent person can inspect within their allocated time
- B) No larger than what a health and safety representative deems acceptable
- C) Assigned by the MEM
- D) No larger than a supervision ratio of 40 workers to each OCE (40:1)

4. What must be in place between incoming and outgoing shifts? **(1 mark)**

- A) Control measures being adopted between shifts
- B) Communication procedures
- C) An input drive around process
- D) Log-on/Log-off sheets for each crew

5. As per Section 45 of the WHS (MPS) Regulation 2022, the operator of a mine or petroleum site must manage risks to health and safety associated with which of the following: **(1 mark)**

- A) Fatigue, consumption of alcohol by workers, vehicle speeding
- B) Consumption of alcohol by workers, psychosocial hazards, ultraviolet radiation
- C) Fatigue, consumption of alcohol by workers, the use of drugs by workers
- D) Consumption of alcohol by workers, the use of drugs by workers, psychosocial hazards

6. All belt conveyor operations must be fitted with an emergency stop system and must be inspected by a mining supervisor. **(1 mark)**

- A) True
- B) False

7. For a coal mine other than an underground coal mine — a production area is identified for each area of the mine at which coal or mineral is extracted that includes: **(1 mark)**

- A) areas where drilling is carried out
- B) areas where haul roads and dumps are being used
- C) areas where rehabilitation is being completed
- D) areas where haul roads, dumps or stockpiles are being used

8. Which of the following best defines the term FRAS (Fire Resistant Anti-Static) in relation to mining equipment and materials? **(1 mark)**

- A. A type of explosive used in blasting that reduces static buildup and ignition risk
- B. A material or equipment that resists combustion and does not accumulate static electricity
- C. A protective clothing standard that prevents heat stress and static discharge
- D. A fire suppression system used in mobile plant to prevent static-generated sparks

9. Similar to a Site Safety and health representative, a Mechanical safety and health representative is an elected role at a coal mine other than an underground coal mine, however is specifically related to mechanical installations, equipment, and associated risks. **(1 mark)**

- A) True
- B) False

10. The operator of a mine or petroleum site must keep a record that forms part of the record for the mine or petroleum site for: **(1 mark)**

- A) 5 years
- B) as long as the mine is extracting coal or mineral from a production area
- C) a period as defined by the Resources Regulator
- D) 7 years

11. What does Order 34 relate to? **(1 mark)**

- A) Airborne Dust Monitoring
- B) Industry Health Surveillance
- C) Training and Competence Management Systems
- D) Periodic & Pre-placement Medicals

12. Health and Safety representatives have various powers, including the ability to request a review of a control measure. **(1 mark)**

- A) True
- B) False

13. Any contractor that is engaged to work at a coal mine other than an underground coal mine, must work under the safety management system of that mine. **(1 mark)**

- A) True
- B) False



**Fill in the blanks.**

14. In regards to Section 107 of the WHS (MPS) Regulation 2022, the operator of a mine or petroleum site must ensure each worker at the mine or petroleum site is provided with suitable and adequate information, training and instruction in relation to: **(2.5 Marks)**

A  

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B  

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C  

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D  

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E  

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15. Under what circumstances can an incident site be disturbed? **(2.5 marks)**

A  

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B  

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C  

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D  

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E  

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16. In regards to Section 14 of the WHS (MPS) Regulation 2022, when conducting a risk assessment, the person must have regard to: **(3 marks)**

A  

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B  

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C  

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17. Within the WHS (MPS) Act 2013, what are the notification requirements for a dangerous incident at a coal mine? **( 4 marks)**

A  

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B  

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C  

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D  

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# Question 3

Explosive Management **(Total 25 marks)**

You are the duty OCE on shift at a large open cut mine. The mines shotfirer asks you to come down to the shot that they are currently loading.

On arrival at the shot, the shotfirer lets you know that they can't account for 2 boosters. The shotfirer adds that they had returned to the magazine and checked stocks, and it appears that the boosters have been misplaced either during transport to the shot or on the shot itself.

A. What section of legislation specifically refers to the risk of explosives not being accounted for? **( 5 marks)**

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B. What are the notification requirements for this scenario? **( 10 marks) (ESSENTIAL QUESTION) You must obtain 6 marks or more to pass this question and this paper.**

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## Question 4

## Principal Hazard Management Plans (Total 25 marks)

A. What must the Mine Operator do in relation to establishing Principal Hazard Management Plans for mining operations at an Open Cut Coal Mine? **(5 marks)**

[illegible]

B. What are the key requirements that must be met by a Principal Hazard Management Plan? **(12 marks)**

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C. What must a Mine operator do in relation to the preparation of a Principal Hazard management plan? **(4 marks)**

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D. What must a Mine operator do in relation to the review of a Principal Hazard management plan? **(4 marks)**

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Open cut examiner of coal mines other than underground coal mines  
OCE2 – Practical Open Cut Operations

Candidate no.: \_\_\_\_\_

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## Marking Sheet

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Question Number		Mark	Available mark	Marked by <i>Name</i>	Summary comments to justify, as necessary
<b>1</b>	A		20		
	B		20		
	C		10		
	<b>Subtotal</b>		<b>50</b>		
<b>2</b>	A		20		
	B		10		
	C		20		
	<b>Subtotal</b>		<b>50</b>		
<b>3</b>	A		15		
	B		10		
	C		15		
	D		10		
	<b>Subtotal</b>		<b>50</b>		
<b>4</b>	A i		5		
	A ii <b>(ESSENTIAL)</b>		16		
	A iii		6		
	A iv		3		

Question Number		Mark	Available mark	Marked by <i>Name</i>	Summary comments to justify, as necessary
	B i		14		
	B ii		6		
	<b>Subtotal</b>		<b>50</b>		
<b>PAPER</b>	<b>TOTAL</b>		<b>200</b>		<i>Marks checked by:</i>

## Question 1

You are an Open Cut Examiner (OCE) at an open cut coal operation in the Hunter Valley. Part of your inspection district includes an explosives reload facility used for loading three MMU trucks operating on site. The facility holds two 60-tonne Ammonium Nitrate emulsion tanks, one 100-tonne Ammonium Nitrate prill bin, and a small portable office. During your shift, you receive an emergency radio call from one of the MMU operators in the compound, reporting a fire on a diesel generator inside the facility. You are driving in the pit at the time of the call and are approximately one minute's drive from the facility. The genset is located near the Ammonium Nitrate (AN) prill bin. It powers the reload compound as well as the electric hydraulic auger on the AN prill bin.

A. At this point, the information provided above is all you know. What immediate additional information would you request or gather? **(20 marks)**

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C. Explain any notification requirements for this incident. Justify your answer, including any assumptions made. **(10 marks)**

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## Question 2

You are the oncoming OCE at a large scale open cut coal mine on a Friday nightshift. This operation also includes a CHPP. Approximately 30 minutes before your pre-shift address, a couple of operators from your crew arrive at site and make you aware that there has been a fatal accident on a public road approximately 5km away before the entry to your mine site. They mention that several other operators on your crew witnessed the incident on their way to work and pulled over to render assistance at the scene. They also mention that due to the location of the accident, most of the crew would have observed the accident scene.

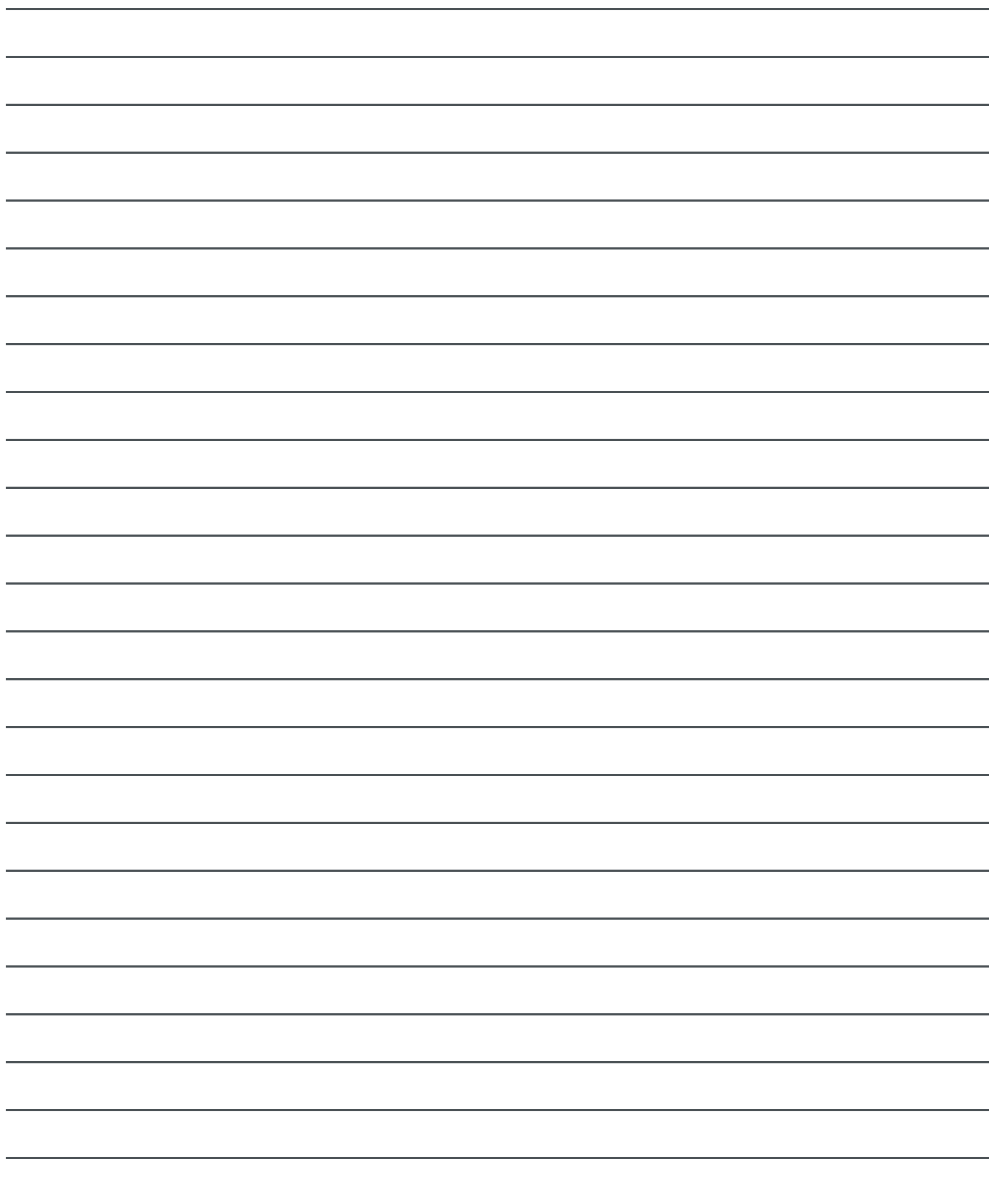
A. Detail your immediate actions in terms of how you prepare to commence the shift. **(20 marks)**

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[illegible]

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### Question 3

You are an OCE at a large open cut mine that produces 10 million tonne of saleable coal per annum. The mine operates 24/7 on a continuous roster with 4 crews in both Production and Maintenance. The operation only has 1 break in production per year at Christmas and the operation ceases at 7pm on Christmas eve and returns at 7pm on Boxing Day. You are 1 of 2 OCEs that are rostered on day shift on Christmas eve and rostered to return on night shift at 7pm on boxing day.

A. Describe the process you would adopt to make sure the site is shutdown on Christmas eve. (15 marks)

[illegible]

[illegible][illegible]

D. What reporting would be required with this wall failure. Provide details of your reporting and decision making. ( **10 marks**)

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## Question 4

## Incident Management (Total 30 marks)

A. An articulated 50t haul truck operated by a contracting company is reverse parking and collides with the side of the body of another unmanned articulated truck parked in the same parking area.

i. Is the incident reportable? If so, what are the relevant clause/s? **(5 marks)**

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ii. What evidence should be gathered to assist with the investigation? **(16 marks)**

**(ESSENTIAL QUESTION) You must obtain 8 marks or more to pass this question and this paper.**

[illegible]

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iii. As the statutory official on shift, what actions should you take before the end of shift? **(6 marks)**

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iv. What should be reviewed or implemented before the end of shift with respect to the contractor involved and the area they're operating in? **(3 marks)**

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## Incident Investigation (**Total 20 marks**)

B. During the investigation into the incident you discover that there are significant gaps in your standards for heavy equipment parking areas on site.

i. What risks should be managed and what controls should be implemented across all heavy equipment parking areas on site? Populate the table below. **(1 mark for each dot point, 14 marks)**

Hazard	Control
Heavy vehicle/heavy vehicle interaction	<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul>
Heavy vehicle/light vehicle interaction	<ul style="list-style-type: none"><li>•</li><li>•</li></ul>
Heavy vehicle/pedestrian interaction	<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul>
light vehicle/pedestrian interaction	<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul>
signage and delineation	<ul style="list-style-type: none"><li>•</li><li>•</li></ul>
unplanned movement	<ul style="list-style-type: none"><li>•</li></ul>



ii. How would you implement these requirements and make sure they're maintained? ( **6 marks**)

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