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CANDIDATE NUMBER: _	
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OCE1 - Legislation

OPEN CUT EXAMINER OF COAL MINES OTHER THAN UNDERGROUND COAL MINES

EXAMINATION FOR CERTIFICATE OF COMPETENCE

Work Health and Safety (Mines and Petroleum Sites) Act 2013 Work Health and Safety (Mines and Petroleum Sites) Regulation 2022

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 2013

This Examination is held in the following location:

Region: New South Wales Venue: Tocal College Room: The Hall

Date: 15 May 2024 Start time: 09:00:00 Finish time: 10:10:00

INSTRUCTIONS TO CANDIDATES

10 minutes reading time is allowed prior to the start of the examination

All four (4) questions are of equal value and must to be attempted.

Existing Candidates: 60% to pass paper, OR

New Candidates: Essential question is: Question 3a, which requires a pass mark of 7.5 or above

CANDIDATE NUMBER:	(write in from your letter)
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Question Number		Mark	Available mark	Marked by Name	Summary comments to justify, as necessary
	a)		20		
1	b)		5		
	Subtotal		25		
	a)		15		
2	b)		5		
	c)		5		
	Subtotal		25		
	a) (essential)		12		
3	b)		7		
	c)		6		
	Subtotal		25		
	a)		7		
	b)		10		
4	c) i)		4		
	c) ii)		4		
	Subtotal		25		
PAPER	TOTAL		100		Marks checked by:

EXAM BOKLET

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.

Question 1

Question 1 – (Total 25 marks)

The Work Health and Safety (Mines and Petroleum Sites) Regulation 2022, Part 3, Division 1, Subdivision 2, Section 19, Sub Section (2), details the required content of a safety management system.

A) List the required content that must be set out within the safety management system (only those relevant to open cumines) (20 marks)

D) List the legislated winging appearal plane which are relevant to an energy put using (F months)
B) List the legislated principal control plans which are relevant to an open cut mine. (5 marks)
Question 2
Question 2 – (Total 25 marks)
Schedule 7 of the WHS (Mines and Petroleum Sites) Regulation 2022 details 5 key matters that must be included in an emergency plan.
A) List each of these 5 matters and explain what they would detail in an emergency plan? (15 marks)

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	-
	_
	_
	_
B) In addition to matters set out within WHS Regulation 2017, list the emergency response aspects that must be addressed within an emergency plan for an open cut mine. (5 marks)	
	_
	_
	_

C) When must an emergency plan be reviewed? (5 marks)
Question 3
Question 3 – (Total 25 marks)
Part 3.1 of the Work Health and Safety Regulation 2017 details managing risks to health and safety.
A) Explain the hierarchy of control measures and their relevance to managing health and safety risks. Essential (12 marks)

In managing risks to heferenced in legislation.	nealth and safety associated with the	e movement of mobile plant, list the 7	key matters
ioronoca iii rogiolationi	(i marke)		
) List 6 instances wher	a control measure must be reviewe	ed? (6 marks)	

Question 4	
Question 4 – (Total 25 marks)	
Section 33 of WHS (Mines and Petroleum Sites) Regulation 2022 detail explosive precursors.	ls specific control measures for explosives and
A) Fill in the blank sections below. (7 marks)	
In managing risks to health and safety associated with explosives and e site, the operator must;	explosive precursors at the mine or petroleum
a) Ensure explosives and explosive precursors to be used at the mine of	or petroleum site are:
(i) safe to,	and
(ii) fit for their intended	and

(iii) as	as reasonably practicable, and	
(iv) as far as reasonably practicable, simple to		use,
	and control, and	
b) Ensure dealing with an explosive or explosive precursor	at the mine or petroleum site complies with the	
and Australian Standard		
B) With regards to the Explosives Regulation 2013, what m		5)

C) (i) Under the Explosives Regulation 2013, what must a person obtain before they are able to handle explosives or explosive precursors? (4 marks)
Explosive precursors: (4 marks)
(ii) Are there any persons who have an exception to this requirement at a mine site, if so please list these positions. (4 marks)

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OPEN CUT EXAMINER OF COAL MINES OTHER THAN UNDERGROUND COAL MINES

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Legislation to be assessed:

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Work Health and Safety (Mines and Petroleum Sites) Regulation 2022

Explosives Act 2003

Explosives Regulation 2013

This Examination is held in the following location:

Region: New South Wales Venue: Tocal College Room: The Hall

Date: 15 May 2024 Start time: 11:00:00 Finish time: 13:10:00

INSTRUCTIONS TO CANDIDATES

10 minutes reading time is allowed prior to the start of the examination

All four (4) questions are of equal value and must to be attempted.

Existing Candidates: 60% to pass paper, OR

New Candidates: Essential questions are:

Question 1a which requires a pass mark of 8 or above

Question 4a which requires a pass mark of 3 or above

CANDIDATE NUMBER:	(write in from your letter)
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Questi	Question Number		Available mark	Marked by Name	Summary comments to justify, as necessary
	a) (essential)		16		
1	b)		24		
	c)		10		
	Subtotal		50		
	a)		10		
2	b)		30		
	c)		10		
	Subtotal		50		
	a)		16		
	b) i)		9		
3	b) ii)		15		
	c)		10		
	Subtotal		50		
	a) (essential)		6		
4	b)		10		
	c)		24		

CANDIDATE NUMBER:	(write in from your letter)
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Question Number		Mark	Available mark	Marked by Name	Summary comments to justify, as necessary
4	d)		10		
	Subtotal		50		
PAPER	TOTAL		200		Marks checked by:

EXAM BOKLET

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Additional space is provided at the end of the paper. Please label which question the answer relates to.

Question 1

Question 1 – (Total 50 marks)

You have commenced working as a casual OCE on afternoon shift at an open cut operation. On your shift you have a 600t hydraulic excavator and truck team on overburden, and another hydraulic excavator and truck fleet capping a tailings emplacement area.

A) List the documents / reports you would review before commencing capping a tailings emplacement. Essential (16 marks)
B) List examples of specific controls that you would expect to see in place for a tailings capping operation. (24 marks)

During the back half of the shift (around 9:00pm) you receive a call off the dump dozer operator stating the overburden dump is full. They suggest setting up a light on the emplacement area and using it as an alternative dump, as the tailings capping fleet have left site.

C) Explain what would you do as the OCE in this situation. (10 marks)				

Question 2

Question 2 - (Total 50 marks)

Your MEM has tasked you to introduce a contractor to site that operates a track mounted mulcher for the clearing of vegetation.

A) You become aware that a machine of this type has not been used on site previously. What site processes should be completed prior to the mulcher going to work? (10 marks)			

B) For each key risk area identified in MDG15 listed in the table below, list controls that should be implemented prior to the use of this type of plant? (30 marks)

Key Risk Area	Control
	-
	-
	-
Fire	-
	-
	-
	-
	-
Unplanned movement	-
	-
	-
Safe means of egress/access	-
	-
Vibration/	_
ergonomics	
Isolation	-

Safety critical systems	-
	-
	-
	-
	-
	
	-
Operator's cabin	-
and protection	-
	-
	-
Human factors	
C) When examini	ng the contractor's Pre-start Inspection Checklist for this equipment what information would you
expect to see rec	orded on the contractor's checklist in addition to the above? (10 marks)

Question 3
Question 3 – (Total 50 marks)
You are an OCE who has been tasked with the onboarding and integration of several contract production operators for your operation.
This is the first time your mine has engaged this contract labour company. The operators are multi skilled and the objective is to utilise all skills that they are deemed competent for.
A) As part of the engagement of the contract company, what legislated responsibilities does the mine and contractor have in terms of preparing a plan or using a safety management system? (16 marks)

B) After the initial engagement of the contract company, briefly describe;	
) Which relevant stakeholders you would consult with (9 marks)	
ii) the process you would adopt to onboard these operators and verify competence (15 marks)	

C) One of the operators has completed their challenge test for the haul truck skill and has been deemed not yet competent.
Briefly explain how you could manage this situation given the operator has already been engaged. (10 marks)

Question 4
Question 4 – (Total 50 marks)
You are the OCE at a small open cut which has been in operation for 20 years. The operation has just got approval to extend the mining area into a section of previously undisturbed land. As part of your duties, you are also in charge of supervising the drill & blast crews.
A) The shotfirers are about to commence loading the first shot in the extension area, when one of the shotfirers asks if this shot has any reactive ground.
Define what "reactive ground" is and why it is a risk? Essential (6 marks)

B) Prior to loading, how would you verify if reactive ground exists in this extension area? (10 marks)
b) Filor to loading, now would you verily if reactive ground exists in this extension area? (10 marks)
You receive confirmation that the pattern does in fact have reactive ground present.
Tou receive confirmation that the pattern does in fact have reactive ground present.
C) How would you direct the shotfirers to safely load and fire this shot? List and discuss the relevant controls (24)

marks)

The shotfirers have loaded approximately half the pattern, when they report that 2 unloaded holes next to each other

have recorded a temperature of 110 degrees Celsius.

They also state that the rest of the unloaded holes in the shot are below 35 degrees Celsius.					
D) As the OCE in charge of this blast crew, how would you proceed? (10 marks)					

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