

## Knowledge Assessment

<b>Qualification</b>	Mining Process Technology
<b>Competency Standard(s)</b>	Level-5
<b>Candidate Details</b>	Name: _____  Registration/Roll Number: _____ Candidate Signature: _____ _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>COMPETENT <input type="checkbox"/></span> <span>NOT YETCOMPETENT <input type="checkbox"/></span> </div> Name of the Assessor: _____ Assessor's code: _____  Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What is the Alkali silica test in aggregate?		
	<i>Candidate's response</i>		
2.	What is Sieve analysis?		
3.	Define the mesh of liberation?		
4.	What is compressive strength of the rock?		

5.	Enlist types of pumps?		
6.	What should be the slope of road in mining area?		
7.	How to make a sump in mine		
8.	How centrifugal pump works?		
9.	What is Tensile strength?		
	<i>Candidate's response</i>		
10.	What is unconfined compressive strength (UCS)?		
11.	Define shear strength?		
12.	Define brittle and ductile materials?		
13.	Define the electrical resistance and electrical resistivity of different subsurface materials?		
	<i>Candidate's response</i>		
14.	Describe the average range of electrical resistivity of different soil and rock types?		
15.	Describe the average range of seismic velocity of different soil and rock types?		

16.	Describe the average range of magnetic susceptibility and density contrast of different soil and rock types?		
17.	Define the different types of Geo-physical surveys used for mining?		
18.	Define the chargeability values of different mineralized zones?		
19.	Define minerology?		
	Candidate's response		
20.	What is petrography?		
	What are the physical properties of Ore?		
21.	What are the optical properties of Ore?		
22.	What are the chemical properties of Ore?		
23.	How a microscope works?		
24.	What is the gangue material?		