

Knowledge Assessment

Qualification	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
Competency Standard(s)	Apply Sampling Techniques
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____ _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <input type="checkbox"/> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What is sampling?		
2.	How do you get water for irrigation		
3.	How will you collect sample for irrigation water (types)?		

4.	What should be the sample volume for collection		
	a) >1.5L b) < 1.0L c) < 0.5L d) <1.0L		
5.	At what Temperature collected sample should be stored?		
	a) Below 10 °C b) Below 20 °C c) Below 30 °C d) Below 50 °C		
6.	What are the precaution measurements for collecting water sample?		
7.	What should be the time duration of flow before collecting sample?		
	a) 0 minute b) 30 minutes c) 1 h d) 3 minutes		
8.	What are requirements for collection of Surface water?		

Key

National Vocational Certificate level 2 to 5, in **Agriculture Sector (Soil, Water and Fertilizer Testing Lab Technician)**

Apply Sampling Techniques

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What is sampling?		
	Sampling is a process used in statistical analysis in which a predetermined number of observations are taken from a larger population.		
2.	How do you get water for irrigation		
	Ground water and Surface water		
3.	How will you collect sample for irrigation water (types)?		
	The collection will be done by a. time-based, b. flow-based, c. depth-based		
4.	What should be the sample volume for collection		
	>1.5L		
5.	At what Temperature collected sample should be stored?		
	Below 10 °C		
6.	What are the precaution measurements for collecting water sample?		
	Precaution measurements for collecting water sample		
7.	What should be the time duration of flow before collecting sample?		

	3 minutes		
8.	What are requirements for collection of Surface water?		
	<ul style="list-style-type: none"> a. Prevent any debris from entering the sample and container during collection b. B. Open sample container only when you are ready to collect the sample c. C. avoid touching the underside of container d. Fill the container slowly to minimize any splashing and avoid filling the container above the mark. e. Recap the container with clean, sterile gloves and sanitize the surface with alcohol wipes. f. Store sample below 10 °C 		