

Knowledge Assessment

Qualification	
Competency Standard	Execute Pre-Sampling Operations
Purpose of Assessment	
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> 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.	Write abbreviation of GPS?		
2.	The most common Rabi crop in Pakistan?		
3.	Can samples be taken when soils are wet?		
4.	When is the best time to take soil samples?		
5.	Enlist soil sampling tools?		
6.	Define point and Non point source of pollution in water?		

Feedback to the Candidate
Candidate's Signature _____ Assessor's Signature _____

Key

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

Execute Pre-Sampling Operations

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Write abbreviation of GPS? <ul style="list-style-type: none"> Global Positioning System 		
2.	The most common Rabi crop in Pakistan? <ul style="list-style-type: none"> Wheat 		
3.	Can samples be taken when soils are wet? <ul style="list-style-type: none"> Soil moisture does not affect the test results since samples are dried before they are analyzed. However, extremely wet soils are difficult to collect and mix. Therefore, allow soils to drain before sampling. Soils too dry are normally hard to get to the right depth. 		
4.	When is the best time to take soil samples? <ul style="list-style-type: none"> Soil samples can be taken any time throughout the year for checking pH, phosphorus and potassium status. Collect soil samples 1-2 months before planting. Early spring is a good time to take soil samples for summer crops, and summer is a good time to sample for fall and winter crops. This allows time for lime recommended to react with the soil and change the pH before the crop is planted. To assess soil available nitrogen, sample as close to planting as possible. For Lawns, the late spring (May) is a good time sample for warm season grass and the summer (mid-Aug) is good for cool-season grasses. 		
5.	Enlist soil sampling tools? <ul style="list-style-type: none"> Soil auger Spade Trowel Shovel Bucket 		
6.	Define point and Non point source of pollution in water?		

	<p>Point-source pollution Pollution from a single, identifiable source e.g. discharge pipes and drainage ditches</p> <p>Nonpoint-source pollution Toxic chemicals that enter a body of water from many sources. As an example, picture a city street during a thunderstorm.</p>		
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