

## Unit 14 - Week 12

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## Assignment 12

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-12-09, 23:59 IST.**

1) Why soil analysis is important? 1 point

- a. To make a decision regarding crop management
- b. To monitor different environmental effect
- c. To manage water pollution
- d. Both a and b

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
d.

2) Spectrophotometry technique is used for - 1 point

- a. The analysis of C
- b. The analysis of H
- c. The analysis of O
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
d.

3) Drying temperature can affect the measurement of - 1 point

- a. N
- b. P
- c. Zn
- d. Both a and b

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
d.

4) Cryodesiccation is - 1 point

- a. High temperature hydration process
- b. Low temperature hydration process
- c. Low temperature dehydration process
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.

5) Crushing and milling are the \_\_\_\_\_ . 1 point

- a. Sampling techniques
- b. Sample storage techniques
- c. Sample preparation techniques
- d. All of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.

6) Quartering is \_\_\_\_\_ . 1 point

- a. Dividing soil samples into four parts
- b. Discarding the opposite two parts
- c. Mixing the remaining two parts
- d. All of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
d.

7) \_\_\_\_\_ is rarely present in detectable amount in soil. 1 point

- a. Nitrate
- b. Nitrite
- c. Potassium
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

8) \_\_\_\_\_ solution is the most widely used for the extraction of  $\text{NO}_3^-$  and  $\text{NH}_4^+$  1 point

- a. 2.0 M KCl
- b. 2.0 M NaCl
- c. 2.0 M  $\text{CaCl}_2$
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
a.

9) Continuous flow analyzer is used for analyzing - 1 point

- a. Inorganic N
- b. Organic N
- c. Amount of moisture
- d. Both a and b

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
a.

10) Why Mehlich III procedure is used to extract P from soil? 1 point

- a. Mehlich III can extract different elements from the soil
- b. The amount of Mehlich III extracted P is highly correlated with P uptake by plant
- c. Extracting solution is a mixture of different other solutions
- d. All of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

11) Full form of ICP-AES is \_\_\_\_\_ . 1 point

- a. Indigenously coupled plasma atomic emission spectrometry
- b. Inductively coupled photon atomic emission spectrometry
- c. Inductively coupled plasma atomic emission spectrometry
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.

12) Which one is Olsen's reagent - 1 point

- a. 0.5 M  $\text{NaHCO}_3$
- b. 0.03 N  $\text{NH}_4\text{F}$  and 0.025 N HCl
- c. 0.025 M  $\text{NaHCO}_3$
- d. None of these

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
a.

13) Which law is used in spectrophotometer? 1 point

- a. Beer's law
- b. Beer-Lambert's law
- c. Bragg's law
- d. Bolton's law

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

14) Which one is the principle anion in the soil system? 1 point

- a.  $\text{F}^-$
- b.  $\text{Cl}^-$
- c.  $\text{Br}^-$
- d.  $\text{I}^-$

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

15) Perchloric acid digestion method is used to measure \_\_\_\_\_ . 1 point

- a. OC
- b. Total N
- c. Total P
- d. P

- a.  
 b.  
 c.  
 d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.