Science of Agriculture 5th edition Herren Test Bank

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TRUE/FALSE

1 : The food chain is the progression of food energy from one species to the next.
A : true
B : false

Correct Answer : A

2 : Minerals in the soil are organic compounds that have chemical and physical properties.
A : true
B : false

Correct Answer : B

3 : All soil originates from matter known as parent material.
A : true
B : false

Correct Answer : A

4 : Soil that has been transported by moving water is known as alluvial soil.
A : true
B : false

Correct Answer : A

5 : Lacustrine deposits fill oceans, and over millions of years, the water is slowly replaced with soil.
A : true
B : false

Correct Answer : B

6 : Loess soils are found throughout the Mississippi Valley, parts of the Midwest, Washington, and Idaho.
A : true
B : false

Correct Answer : A

7 : The largest of the soil particles is silt, which has soil separates between 2mm and .05mm in diameter.
A : true
B : false

Correct Answer : B

8 : The pH scale is a measure of the relative strength of the hydrogen ion or hydroxide ion activity in a substance.
A : true
B : false

Correct Answer : A

9 : Protozoa are multicelled organisms that live in the soil.
A : true
B : false

Correct Answer : B

10 : All large animals that live in the soil are considered destructive to plants.
A : true
B : false

Correct Answer : B

MULTIPLE CHOICE

11 : Soil that is formed into peds and can be handled without breaking up is considered to have a(n) _____.
A : strong structure
B : moderate structure
C : amplified structure
D : weak structure

Correct Answer : A

12 : The uppermost layer of soil is called the _____.
A : A horizon
B : O horizon
C : E horizon
D : B horizon

Correct Answer : B

13 : _____ is one of the most important groups of microscopic animals in the soil characterized by smooth round bodies that are not segmented.
A : Protozoa
B : Fungi
C : Nematodes
D : Earthworms

Correct Answer : C

14 : Each sheet of clay particles has _____.
A : no charge
B : a positive charge
C : a negative charge
D : either a positive or negative charge

Correct Answer : C

15 : A hydrogen atom has _____.

A : one proton and no neutrons
B : one neutron and no protons
C : two protons and one electron
D : one proton and one electron

Correct Answer : D

16 : Groups of clinging soil particles are called _____.
A : peds
B : ions
C : structures
D : textures

Correct Answer : A

17 : The last horizon in a soil profile is the _____, the bedrock on which the other soil horizons rest.
A : O Horizon
B : R Horizon
C : E Horizon
D : A Horizon

Correct Answer : B

18 : A soil found in very cold climates where the ground is permanently frozen would fit best into the _____ order.
A : entisols
B : aridisols
C : gelisols
D : histisols

Correct Answer : C

19 : Actively growing protozoa would be found in _____.
A : warm, dry soil
B : moist soil
C : frozen soil
D : volcanic soil

Correct Answer : B

20 : Areas around the _____ have large areas with lacustrine soils.
A : Great Lakes
B : Gulf of Mexico
C : Grand Canyon
D : Adirondack Mountains

Correct Answer : A

21 : The food chain of land animals begins with the _____.
A : grass
B : insects
C : soil

D : fruits and vegetables

Correct Answer : C

22 : A land mass built up by the dropping of till (large boulders, smaller rocks, sand, silt, and clay) from a glacier is known as a _____.
A : prairie
B : mesa
C : moraine
D : flood plain

Correct Answer : C

23 : The texture of the soil refers to the _____ of the individual soil particles.
A : shape
B : absorption level
C : carbon content
D : size

Correct Answer : D

24 : The loss of soil nutrients by water movement is called _____.
A : leaching
B : absorption
C : wash-out
D : diffusion

Correct Answer : A

25 : _____ is the name of the area of the soil that contains the roots of plants.
A : Biosphere
B : Rhizosphere
C : Hemisphere
D : Atmosphere

Correct Answer : B