

1. The Commonest Natural Cause Of Fire Initiation In Forest ?

A. Lightening

B. Camping

C. Drought

D. Commercial Use

2. Some Organisms Can Break Down The Resistant Chemical Like Pesticides When Glucose Is Given As Primary Source To Them. The Phenomenon Is Called ?

A. Metabolism

B. Anabolism

C. Catabolism

D. Co-Metabolism

3. The Percentage Of Organic Matter In Agricultural Soil Is ?

A. 2-10%

B. 3-5%

C. 5-8%

D. 3-7%

4. Association Of Fungus And Alga In Lichen Is Termed As ?

- A. Commensalism
 - B. Parasitism
 - C. Mutualism**
 - D. Competition
-

5. The Dark Coloured Material In Soil Which Which Consist Of Partially Decomposed Organic Matter Is Called ?

- A. Bog
 - B. Humus**
 - C. Peat
 - D. Debris
-



MCQs
Plant Ecology

6. Why Do Soil Gases Generally Have A High Proportion Of Carbon Dioxide And A Low Proportion Of Oxygen?

- A. Due To High Water Contents
- B. Due To Temperature Variation
- C. Due To Aeration
- D. Due To Respiration Of Soil Organisms**

7. Where Do Soil Gases Exist?

- A. In Soil Pores
- B. In B/W Air Spaces
- C. Dissolved In Soil Water
- D. All Of These**

8. One Another And Live In A Particular Habitat Are Best Classified As ?

- A. Community**
- B. Biosphere
- C. Ecosystem
- D. Population

9. At Which Depth In A Garden Soil Does The Maximum Number Of Microorganism Per Gram Occur?

- A. 3-6cm
 - B. 3-8cm**
 - C. 3-7cm
 - D. 3-5cm
-

10. The Biomass Of Actinomycetes Is About Equal To The Biomass Of --- In Soil ?

- A. Fungi
 - B. Lichen
 - C. Bacteria**
 - D. Algae
-

11. The Gaseous Material Produced By The Actinomycetes Which Provides Soil With Characteristic Of Musty Odour Is Called ?

- A. Geosmin**
 - B. Weather Dust
 - C. Weather Bloom
 - D. Geological Variation
-

12. Which Elements Are Dependent On Biogeochemical Cycles ?

- A. Carbon
 - B. Nitrogen
 - C. Sulphur
 - D. All Of These**
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13. The In Organic Carbon Used In Synthesis Of Organic Compounds Comes From ?

- A. Carbonates
 - B. Carbon Mono Oxide
 - C. Carbon Dioxide**
 - D. None Of Them
-

14. The Autotrophic Nitrifying Bacteria Living In Soil Are ?

- A. Nitrosomonas
 - B. Nitrobacter
 - C. Azobactor
 - D. Both A And B**
-

15. The Bacteria Which Causes The Process Of Denitrification Is ?

- A. Azobactor
 - B. Pseudomonas**
 - C. Anabena
-

D. Nostoc

16. The Non- Symbiotic Nitrogen Fixing Bacteria In Soil Is/Are ?

- A. Azotobacter
 - B. Cyanobacteria
 - C. Both A And B**
 - D. Nitrosomonas
-

17. The Region Where Soil And Roots Make Contact Particularly In Grassland Is Called ?

- A. Rhizosphere**
 - B. Rhizopus
 - C. Rhizoids
 - D. Rhizome
-

18. The Example Of Nitrogen Economics In A Forest Population Is ?

- A. Moss
 - B. Fern
 - C. Lichen**
 - D. Fungus
-

19. The Term Recalcitrance Refers To ?

- A. Resistance To Pesticides
 - B. Resistance To Fertilizer
 - C. Resistance To Carbonates
 - D. Resistance To Degradation**
-

20. Main Types Of Soil Degradation Involves ?

- A. Chemical Degradation
 - B. Biological Degradation
 - C. Physical Degradation
 - D. All Of These**
-

21. Loss Of Nutrients, Acidification, Salinization, And Soil Pollution Are The Results Of ?

- A. Chemical Degradation**
 - B. Biological Degradation
 - C. Physical Degradation
 - D. None Of These
-

22. Water Lodging, Lowering Of Water Table, Mining And Urbanization Are The Causes Of ?

- A. Chemical Degradation
 - B. Physical Degradation**
-

- C. Biological Degradation
 - D. All Of These
-

23. The Breaking Down Of Nitrates Into Atmospheric Nitrogen Is Termed As ?

- A. Assimilation
 - B. Nitrification
 - C. Nitrogen Fixers
 - D. Denitrification**
-

24. In How Many Steps Does Nitrification Process Takes Place ?

- A. One Step
 - B. Three Steps
 - C. Two Steps**
 - D. Multiple Steps
-

25. Name The Soil Bacterium That Is A Pathogen Of Insects ?

- A. Bacillus Thuringiensis**
 - B. Streptococcus Pneumoniae
 - C. Bacillus Anthracis
 - D. Clostridium Tetani
-

26. Denitrification Mostly Takes Place In _____ ?

- A. Aerobic
 - B. Anaerobic**
 - C. Both
 - D. None Of The Above
-

27. Nitrification Rapid In _____ Season ?

- A. Winter
 - B. Rainy
 - C. Summer**
 - D. All Of The Above
-

28. Ammonia Volatilization Is Purely Process Of _____ ?

- A. Physical
 - B. Chemical**
 - C. Biological
 - D. None Of The Above
-

29. Saline Soil Also Known As _____ ?

- A. Solonchak**
 - B. Solonetz
 - C. Sodochalk
 - D. None Of The Above
-

30. Which Soil Occur Mainly A Soil Crust Problem ?

A. Sandy Soil

B. Silty Clay Loam

C. Loamy Soil

D. Clayey Soil

31. Red Colour Of Soil Is Due To _____ ?

A. Hematite

B. Geothite

C. Glauconite

D. Maghemite

32. Which Of The Following Statements Is Correct ?

A. Atmosphere Is The Major Reservoir For Plants

B. Nitrogen Is The Most Abundant Nutrient For Plants

C. Nitrogen Cycle Is A Sedimentary Cycle

D. All

33. Nitrogen Is Absorbed By The Plants In The Form Of ?

A. Ammonium

- B. Nitrites
 - C. Nitrates
 - D. All**
-

34. Nitrogen Fixation Is The Conversion Of ?

- A. N₂ To N
 - B. N₂ To NH₃**
 - C. N₂ To NO₃⁻
 - D. N₂ To Urea
-

35. Important Enzymes Involved In Nitrogen Fixation Are ?

- A. Nitrogenase And Hydrogenase**
 - B. Nitrogenase And Hexokinase
 - C. Nitrogenase And Peptidase
 - D. Nitrogenase And Hydrolyase
-

37. Symbiotic Nitrogen Fixing Cyanobacteria Are Not Present In ?

- A. Azolla
 - B. Gnetum**
 - C. Anthoceros
 - D. Cycas
-

38. How Many Molecules Of ATP Are Required To Fix One Molecule Of Nitrogen?

- A. 12
 - B. 20
 - C. 6
 - D.16**
-

39. Conversion Of Nitrites To Nitrates Is Called ?

- A. Nitrosococcus
 - B. Clostridium
 - C. Nitrobacter**
 - D. Nitrosomonas
-

40. Conversion Of Ammonia To Nitrite And Then To Nitrates Is Called ?

- A. Ammonification
- B. Denitrification
- C. Assimilation
- D. Nitrification**