HANDOUTS (CHAPTER -10)

CLASS -VII. SUBJECT -BIOLOGY

Fill in the Blanks

1. Soil is also known as _____. [Answer: earth]

2. Plants obtain their nutrients from the _____. [Answer: soil]

3. The process of soil formation is termed _____. [Answer: weathering]

4. There are two types of weathering: physical and _____ weathering. [Answer: chemical]

5. Expansion and contraction of minerals due to temperature cause _____ weathering. [Answer: physical]

6. Dislodged particles carried and deposited elsewhere are called _____. [Answer: alluvium]

7. Wind acts as a _____ agent. [Answer: carrying]

8. Lichens and mosses can cause gradual _____ of rocks. [Answer: disintegration]

9. Organic acids released during decomposition cause _____ weathering. [Answer: chemical]

10. The arrangement of soil horizons is called a soil _____. [Answer: profile]

11. The O horizon consists mostly of leaf litter and _____. [Answer: humus]

12. The A horizon is also called _____ soil. [Answer: top]

13. Leaching in the A horizon is called _____. [Answer: eluviation]

14. The B horizon is also called _____ soil. [Answer: sub]

15. The R horizon is the _____ rock layer. [Answer: bed]

16. Coarse soil particles are termed _____. [Answer: sand]

17. Intermediate particles are termed _____. [Answer: silt]

18. A mixture of sand, silt and clay is called _____ soil. [Answer: loamy]

19. Dark colour of soil is often due to _____. [Answer: humus]

20. The tendency of soil particles to stick together is called _____. [Answer: cohesion]

21. The rate at which water enters the soil is called _____ rate. [Answer: infiltration]

22. Dead and decaying plant and animal matter forms _____. [Answer: humus]

23. Earthworms are known as nature's _____. [Answer: ploughmen]

24. Removal of topsoil by wind and water is called soil _____. [Answer: erosion]

25. The build-up of toxic compounds in soil is called soil _____. [Answer: pollution]

Multiple Choice Questions

1. Soil is formed by the weathering of:
a) Plants b) Rocks c) Animals d) Water
Answer: Rocks

2. Which is not a type of weathering?
a) Physical b) Chemical c) Biological d) Electrical
Answer: Electrical

3. Top soil is known as:
a) O Horizon b) A Horizon c) B Horizon d) R Horizon
Answer: A Horizon

4. Humus is:
a) Solid rock b) Organic matter c) Mineral deposit d) Sand
Answer: Organic matter

5. Which horizon is the top organic layer?
a) O b) A c) B d) R
Answer: O

6. Which horizon is called subsoil?
a) O b) A c) B d) R
Answer: B

7. The bedrock layer is:
a) O b) A c) C d) R
Answer: R

8. The largest soil particles are:
a) Clay b) Silt c) Sand d) Humus
Answer: Sand

9. Which soil retains the most water?
a) Sandy b) Clayey c) Rocky d) Gravel
Answer: Clayey

10. Best soil for most crops is:
a) Sandy b) Clayey c) Loamy d) Rocky
Answer: Loamy

11. The process of minerals being washed down is:
a) Erosion b) Eluviation c) Cohesion d) Percolation
Answer: Eluviation

12. Soil air is important for:
a) Root respiration b) Rock formation c) Evaporation d) Mining
Answer: Root respiration

13. Earthworms improve soil by:
a) Hardening it b) Aerating it c) Removing humus d) Reducing roots
Answer: Aerating it

14. Which property allows moist soil to be moulded?
a) Density b) Plasticity c) Texture d) Colour
Answer: Plasticity

15. The tendency of similar particles to stick together is:
a) Cohesion b) Erosion c) Density d) Texture
Answer: Cohesion

16. Water movement through soil is called:
a) Weathering b) Percolation c) Casting d) Profile
Answer: Percolation

17. Soil erosion is mainly caused by:
a) Wind and water b) Sunlight c) Moonlight d) Humus
Answer: Wind and water

18. Paddy grows well in:
a) Sandy soil b) Clayey soil c) Rocky soil d) Gravel
Answer: Clayey soil

19. Soil pollution affects:
a) Only rocks b) Plant and animal health c) Only water d) Only air
Answer: Plant and animal health

20. Earthworms are called:
a) Nature's ploughmen b) Nature's enemies c) Predators d) Producers
Answer: Nature's ploughmen