

Class 9 - Skill Education

Kaushal Vikas

Work with Life Forms-Additional Vocations

CBSE NOTES

Work with Life Forms-Additional Vocations - Revision Guide

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1. Mushroom growth relies on mycelium, not seeds.

Mushrooms develop from spores that grow into mycelium, which absorbs nutrients. Mycelium acts as the root structure for mushrooms.

2. Essential conditions for mushroom farming.

Mushrooms need specific temperature (25-30°C), humidity (80-90%), and good ventilation for optimal growth in dark, cool environments.

3. Sterilisation is crucial for substrate.

Sterilisation removes harmful organisms from the growth medium, ensuring a clean environment for mycelium to grow.

4. Definition of spawn in mushroom cultivation.

Spawn is the substrate with growing mycelium, acting as an initiator for mushroom growth when added to a sterilised medium.

5. Aquaponics integrates fish and plants.

This sustainable system combines aquaculture and hydroponics, allowing fish waste to fertilise plants while plants purify the water for fish.



6. Nitrogen cycle supports aquaponics.

Beneficial bacteria convert fish waste into valuable nutrients for plants, sustaining the aquaponics ecosystem.

7. Key materials in aquaponics systems.

Fish tanks, grow beds, pumps, and aerators are fundamental in maintaining the balance of nutrients and oxygen in the aquaponics system.

8. Quality water parameters in aquaponics.

Water must be clean and odour-free with balanced pH, ensuring healthy plants and active fish within the system.

9. Pisciculture requires clean water.

Fish farming relies on maintaining a clean environment with controlled temperature and oxygen levels for optimal health.

10. Fish feed must be balanced and sufficient.

Regular feeding of appropriate quantities is vital to promote growth and prevent waste build-up that can harm water quality.



11. Backyard poultry needs proper housing.

Small-scale poultry farming can thrive in limited spaces with adequate shelter, ensuring safety and comfort for the birds.

12. Hygiene is critical in poultry farming.

Regular cleaning and maintenance of the coop help prevent diseases and ensure the health of the poultry.

13. Non-Timber Forest Produce (NTFP) is sustainable.

NTFP includes items like honey and medicinal plants extracted without harming trees, supporting both health and livelihoods.

14. Collection techniques for NTFP.

Using the right tools and methods ensures successful harvesting of NTFP while preserving the ecosystem.

15. Sustainable practices in NTFP management.

Incorporating sustainable harvesting ensures the regeneration of resources, maintaining ecological balance and availability.



16. Monitoring growth is vital in all practices.

Observing plant and aquatic life growth allows timely intervention to maintain conditions conducive for optimal development.

17. Preparation of growth media is key.

For mushrooms, substrates must be tested and properly sterilised to create a conducive environment for mycelium development.

18. Environmental safety is crucial in all systems.

Observing safety protocols prevents accidents and maintains the integrity of agricultural practices, protecting both people and wildlife.

19. Harvesting techniques vary by vocation.

Different methods for harvesting, from fish to crops, ensure quality and safety, promoting better marketability.

20. Safety protocols for handling materials.

Using gloves, keeping tools clean, and practicing hygiene are essential for safety during farming and harvesting processes.



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