

INTERNATIONAL INDIAN SCHOOL BURAIDAH

PRACTICE WORKSHEET - TERM 1 EXAMINATION 2026-27

CLASS 9 - KAUSHAL VIKAS VOCATIONAL EDUCATION

SECTION A [15 x 1 = 15 Marks]

Choose the correct option

1. What is used as "seed material" for mushroom growth?
a) Compost b) Spawn c) Plankton d) Lime
2. The ideal temperature range for mushroom cultivation is:
a) 10-15°C b) 25-30°C c) 35-40°C d) 5-10°C
3. Equipment used to add oxygen in aquaponics and pisciculture:
a) Biofilter b) Aerator c) Pump d) Heater
4. Which soil has the lowest water holding capacity?
a) Clayey b) Sandy c) Loamy d) Black
5. Aquaponics is a combination of:
a) Fish farming + Soil farming b) Fish farming + Soilless plant growing c) Poultry + Fish d) Mushroom + Fish
6. Which bacteria in aquaponics convert ammonia into nitrates?
a) E.coli b) Nitrifying bacteria c) Rhizobium d) Lactobacillus
7. Free floating algae and small animals in pond water are called:
a) Fingerlings b) Spawn c) Plankton d) Juveniles
8. Baby fish ready for stocking in ponds are called:
a) Eggs b) Spawn c) Fingerlings d) Adults
9. Application of lime in fish ponds helps to:
a) Increase acidity b) Control pH and pathogens c) Feed fish d) Reduce oxygen
10. The heated enclosure for day-old chicks is known as:

- a) Coop b) Brooder c) Hatchery d) Cage
11. Which bacteria in dirty poultry water can cause disease?
a) Rhizobium b) E. coli c) Cyanobacteria d) Azotobacter
12. Hens lay eggs in a protected place called:
a) Perch b) Feeder c) Nesting box d) Drinkers
13. Lac resin is secreted by:
a) Fungus b) Insect c) Tree bark d) Bacteria
14. Using dry grass to cover soil surface is called:
a) Irrigation b) Mulching c) Weeding d) Ploughing
15. Substrate is sterilized in mushroom cultivation to:
a) Increase weight b) Kill unwanted germs c) Add moisture d) Change color

SECTION B [5 x 2 = 10 Marks]

16. Name two materials that can be used to make soil less acidic.
17. Write two advantages of growing vegetables on rooftops.
18. Differentiate between spawn and juveniles in fish culture.
19. Why is decomposed cow dung added to fish ponds before stocking?
20. Give two reasons why precision farming is better than traditional farming.

SECTION C [5 x 3 = 15 Marks]

21. How does compost help in improving sandy soil?
22. Explain how support is provided to plants in an aquaponics system.
23. State the function of a biofilter in an aquaponics unit.
24. How can wet litter affect the health of poultry birds?
25. What is mulching? Mention two benefits of it.

SECTION D [2 x 5 = 10 Marks]

26. How does an aquaponics system function, and what role does the nitrogen cycle play in this integrated farming method?

27. Describe the main steps and required conditions for growing mushrooms successfully.