Worksheet: Improvement in Food Resources

Odisha State Board · Class 9 · Science · 15 questions · 43 marks

Name: _____ Date: _____ Score: _____ / 43

Q1. Differentiate kharif and rabi crops. Give one example of each. *[1 mark]*

Q2. Give two advantages of manure over chemical fertilisers. *[2 marks]*

Q3. Why is crop rotation considered good practice? Give two reasons. *[2 marks]*

Q4. What does HYV stand for in agriculture? *[1 mark]*

Q5. Give two distinguishing features between layers and broilers. *[2 marks]*

Q6. Name three biotic factors that affect crop yield. Suggest one control method for each. *[3 marks]*

Q7. Explain three modern irrigation techniques. Mention which is best for water-scarce regions. *[3 marks]*

Q8. Why are leguminous plants (pulses) considered good for soil health? Give two reasons. *[3 marks]*

Q9. What is composite fish culture? Why is it more productive than single-species farming? *[3 marks]*

Q10. Why is bee-keeping commercially important even though honey is just one of its products? *[3 marks]*

Q11. What is Bt cotton? Explain its mechanism, advantages, and concerns. *[4 marks]*

Q12. List four common diseases that affect cattle in India and their preventive measures. *[4 marks]*

Q13. Despite the success of the Green Revolution, why has India shifted focus toward 'sustainable' agriculture? Give four reasons. *[4 marks]*

Q14. A farmer has 1 hectare of land. He grows maize alone and gets 4000 kg yield. Another farmer with the same land grows maize + soybean intercropped — 3500 kg maize + 1200 kg soybean. Calculate which farmer earned more if maize sells at Rs. 15/kg and soybean at Rs. 40/kg. *[4 marks]*

Q15. Why does India encourage rooftop rainwater harvesting? Explain three direct benefits. *[4 marks]*