

SECTION A

1. **B**
2. **D**
3. **B**
4. **D**
5. **A**
6. **B**
7. **B**
8. **C**
9. **B**
10. **C**
11. **D**
12. **B**
13. **A**
14. **C**
15. **D**
16. **A**
17. **D**
18. **D**
19. **A**
20. **C**
21. **B**
22. **C**
23. **C**
24. **B**
25. **D**
26. **B**
27. **B**
28. **A**
29. **B**
30. **B**

Download this and other FREE materials from <https://teacher.co.ke/notes>

**SECTION B****31. Soil pollution****a) Causes**

- Use of chemical fertilizers
- Improper disposal of plastics
- Dumping industrial waste
- Use of pesticides and herbicides
- Oil spillage

b) Effects

- Loss of soil fertility
- Poor crop yield
- Death of soil organisms
- Contaminated food crops

c) Mitigation

- Proper waste disposal
- Use of organic manure
- Controlled use of chemicals
- Recycling waste

32. Soil and water conservation structure

a) stone lines

b) Other structures

- Terraces
- Contour ploughing
- Mulching
- Gabions
- Terracing / Contour bunds / Cut-off drains
- Trash lines

c) Factors influencing erosion

- Heavy rainfall
- Wind speed
- Slope steepness
- Vegetation cover



33. Water storage structure

a) Water pan

b) Tools used

- Spade
- Hoe
- Shovel
- Wheelbarrow
- Pickaxe

c) Importance

- Stores water for irrigation
- Provides water during dry season
- Supports livestock watering
- Ensures irrigation continuity

34. Storage spoilage

a) Causes

- High moisture content

- Poor ventilation
- Poor storage hygiene
- Pest infestation

b) Prevention

- Proper drying before storage
- Airtight storage containers
- Use of pesticides/fumigation
- Clean storage facilities

c) Importance of moisture check

- Prevents mould growth
- Ensures safe storage

35. Organic garden

a) Organic materials

- Animal manure
- Plant remains
- Kitchen waste
- Compost

b) Benefits

- Improves soil fertility
- Improves soil structure
- Environmentally friendly
- Reduces chemical use

c) Soil conservation

- Mulching
- Terracing
- Contour farming
- Crop rotation

36. ICT in agriculture

a) ICT services

- Mobile phone services
- Internet services
- Radio/TV agricultural programs
- SMS advisory services

b) Benefits

- Improves market access
- Weather updates
- Better farm management
- Increased productivity

c) Extension officer role

- Educates farmers
- Advises on modern farming methods
- Links farmers to markets

PART B – HOME SCIENCE

37. Disinfection

a) Methods

- Boiling
- Sun drying
- Use of bleach
- Steaming

b) Steps (boiling method)

- Wash items first
- Boil water
- Immerse items for some minutes
- Remove and dry

c) Reasons

- Kills germs
- Prevents disease spread

38. Cleaning waste bins

a) Materials

- Soap/detergent
- Water
- Brush
- Disinfectant

b) Precautions

- Wear gloves
- Avoid direct contact with waste

c) Reasons

- Prevent bad smell
- Prevent disease spread

a) Flour types

- Self-raising flour – for fluffy products
- Whole wheat flour – nutritious baking
- All-purpose flour – general baking

b) Ingredients

- Flour
- Milk
- Eggs
- Sugar
- Oil

c) Hygiene

- Wash hands
- Clean utensils

d) Tools

- Mixing bowl
- Frying pan
- Whisk
- Measuring cup

40. Preservation

a) Fish methods

- Smoking
- Freezing
- Drying
- Salting

b) Milk preservation

- Boiling
- Refrigeration
- Pasteurization

c) Reasons

- Prevent spoilage
- Increase shelf life

41. Kitchen cleaning

a) Daily practices

- Sweeping
- Washing utensils
- Wiping surfaces

- Disinfecting sinks

b) Importance

- Prevent diseases
- Maintain hygiene

c) Equipment

- Mop
- Broom
- Bucket
- Detergent

42. Animal products

a) Fish processing

- Smoking
- Freezing
- Salting
- Drying

b) Poultry dressing method

- Defathering / plucking (*depends on image*)

c) Other methods

- Stunning
- Bleeding
- Scalding
- Defeathering

