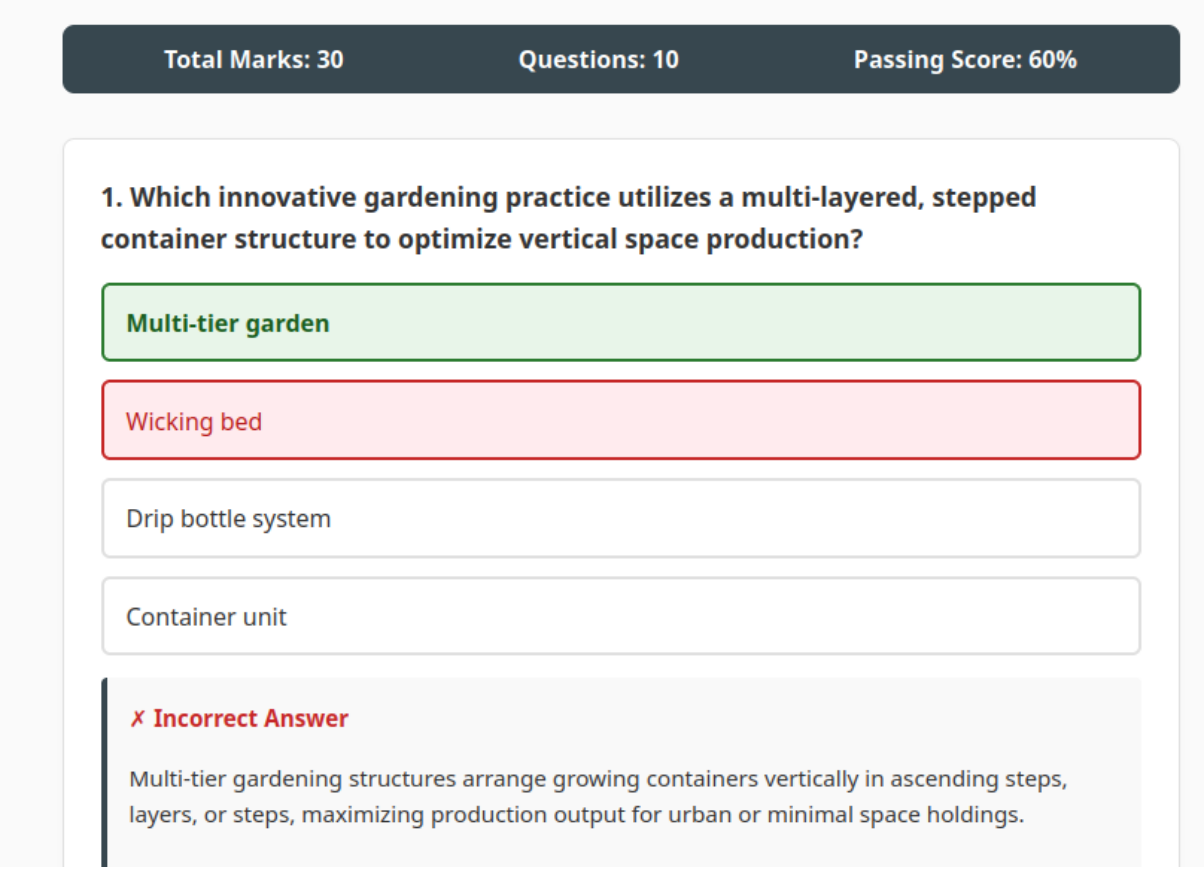
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Grade 8 Agriculture and Nutrition CBC Practice Quiz | Interactive Revision

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An interactive 30-mark quiz designed directly from the Grade 8 Agriculture and Nutrition formative assessment paper. To give you immediate feedback as you practice, the quiz has been built into an interactive format that handles automatic marking.

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Grade 8 Agriculture and Nutrition Practice Quiz

Interactive Competency-Based Curriculum (CBC) Formative Evaluation

Total Marks: 30

Questions: 10

Passing Score: 60%

1. Which innovative gardening practice utilizes a multi-layered, stepped container structure to optimize vertical space production?

- Multi-tier garden

- Wicking bed
- Drip bottle system
- Container unit

Multi-tier gardening structures arrange growing containers vertically in ascending steps, layers, or steps, maximizing production output for urban or minimal space holdings.

2. What is the primary biological objective of domestic poultry rearing as taught in the agricultural curriculum?

- Keeping birds for aesthetic home decoration
- Domesticating wild birds for environmental conservation
- Rearing domestic birds for meat and egg production
- Breeding birds exclusively for industrial down-feather harvesting

Poultry rearing is fundamentally defined as the strategic management of domestic birds like chickens, turkeys, or ducks primarily to provide animal protein sources via meat and eggs.

3. Which material is essential to provide structural protection and optimal ventilation when constructing the frame walls of a portable poultry fold?

- Polythene sheeting
- Wire mesh / chicken wire
- Corrugated iron sheets
- Heavy cardboard blocks

Wire mesh guarantees a sturdy barricade defense against predators while ensuring constant airflow to manage micro-climates inside the fold coop environment.

4. Why must a mobile poultry fold structure be shifted regularly to fresh ground positions across a homestead farm layout?

- To give the birds physical exercise during structural movement
- To prevent structural timber from rooting deeply into topsoil profiles
- To ensure access to fresh pasture, minimize waste build-up, and break pest lifecycles
- To confuse local predatory hawks by shifting coordinates

Regular rotation keeps foraging options fresh, stops pathogenic drop accumulation in the dirt, and completely interrupts soil parasite development cycles.

5. Which symptom is a clear visual indicator that active chewing pests have attacked a vegetable crop block?

- Leaves with missing margins and clear perforations or holes
- Uniform silver powder coating on lower stem segments

- Sudden upward curling of leaves without tissue loss
- Rapid wilting of healthy stems within a few hours of sunrise

Biting and chewing insects leave behind visible missing fragments, irregular holes, and clean leaf structural margin cuts.

6. What diagnostic sign distinguishes a fungal disease outbreak like Early Blight from insect damage on crop foliage?

- Massive physical defoliation overnight
- Dark necrotic spots showing concentric targets or rings on leaves
- Sticky, sugary deposits coating the flower petals
- Silk webbing spun between parallel branches

Concentric rings (target spots) on plant leaves are classic visual diagnostics indicating progressive cellular fungal leaf disease tissue necrosis.

7. During post-harvest fish processing, what is the core chemical or sanitary purpose of evisceration (gutting)?

- To strip away external dermal scales to improve appearance
- To clear away internal organs containing enzymes and microbes that accelerate spoilage
- To harden the muscle structure using chemical preservation elements
- To split the dorsal fin to facilitate uniform deep frying

Removing the internal visceral organs is vital because internal gut enzymes and micro-flora quickly break down muscle tissue post-mortem if left inside.

8. Which processing sequence represents the correct technical progression when dressing a slaughtered poultry carcass for market?

- Evisceration → Plucking → Scalding → Washing
- Scalding → Plucking → Evisceration → Washing
- Plucking → Washing → Scalding → Evisceration
- Washing → Evisceration → Plucking → Scalding

The standard hygienic flow is to scald in hot water to open feather follicles, pluck the clean exterior, extract internal organs (eviscerate), and perform a final sanitary wash.

9. How does the agricultural method of cover cropping actively protect agricultural fields from soil degradation?

- By completely neutralizing the presence of soil pests
- By anchoring soil with root networks and intercepting heavy raindrops
- By absorbing excess solar radiation to cool regional air masses

- By forming a solid physical crust that prevents water infiltration

Cover crops anchor topsoil with their roots and form a foliage cushion that softens raindrop impacts, keeping the soil from eroding or losing structure.

10. Which farming action directly introduces toxic heavy components, leading to critical Soil Pollution?

- Applying composted organic manure during planting operations
- Practicing systematic multi-year crop rotation schedules
- Excessive and unregulated application of synthetic fertilizers and chemical pesticides
- Using overhead drip lines with clean mountain catchment streams

Overusing synthetic chemicals leaves behind concentrated chemical components and persistent residues that alter soil pH and harm vital subterranean ecosystems.

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