

083104T4AQC

AQUACULTURE MANAGEMENT LEVEL 4

AQ/OS/AT/CR/01/4/A

Construct a Fish Pond

March/April 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

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PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
Task 1: Construct an earthen pond			
1.Wore the correct PPEs <i>(Award 1 mark each PPE worn i.e. gumboot, overall and hand clothes)</i>	3		
2. Gathered and assembled all tools, materials and equipment <i>(Award 1 Mark for each category assembled)</i>	3		
3. Cleared the vegetation and debris from pond site following standard operational procedures and chose the site with desired soil for earthen ponds <i>(Award 1 mark for each activity done i.e. identification and clearing of available vegetation /debris and choosing of soil with good water holding capacity i.e. clay loamy by avoiding sandy soils, and proper collection of wastes after clearing)</i>	4		

4. Marked the pond. <i>(Award 1 mark for each activity done i.e. use of pegs to mark the corner beacons of the pond, use of sisal twin to join the points while putting the clear margins of the small pond 0.025M by 0.025M, use of tape measure to measure 2M by 1M)</i>	4		
5. Excavated the pond <i>(Award 3 marks for; use of Jembe to dig up the top soil and placed them above the proposed dyke along the margins while compacting, 2 marks for leveling the soil while compressing the dykes to form a hard pan, 2 marks for digging up to the recommended depth of 0.5M deep, 3 marks for labeling the deeper and shallow end clearly showing the harvesting sump)</i>	10		
6. Fitted the drainage <i>(Award 4 marks for clearly fitting the Inlets and outlets of the pond based on the land topography and use of provided PVC pipe)</i>	4		
7. Controlled the predators <i>(Award 2 marks for fencing using rat/snake proof nets both on the sides of the pond and on top)</i>	2		
8. Controlled the soil erosion	4		

<i>(Award 2 mark for planting grasses along the edges and 2 marks for clearly creating runoff pathways outside the pond)</i>			
9. Filled the pond with water <i>(Award 4 marks for filling to minimum of $\frac{1}{4}$ pond depth for catfish and $\frac{3}{4}$ pond depth for tilapia fingerlings)</i>	4		
Sub-Total 1	38		
TASK 2: Stock the pond with fingerlings provided			
10. Stocked the Pond as recommended <i>(Award 2 marks for leaving a sealed oxygenated bag of fingerlings on top of the water for a minimum of 20 minutes and maximum of 30 minutes before opening for fish to acclimatize, 2 marks for opening the bag gently without exposing the fingerlings to injuries, 2 marks for allowing fingerlings to swim by themselves towards pond water in pits)</i>	6		
11. Cleared, Collected and stored the tools <i>(Award 1 marks for each activity done i.e. collection, cleaning and proper storing of tools, materials and equipment)</i>	3		
Sub- Total 2	9		
PRODUCT CHECKLIST			
12. Correct measurements	2		

13. Presence of inlet and outlet	2		
14. Clean water to the pond	2		
15. Prevention against predators	2		
16. Good workmanship	2		
Sub-Total 2	10		
GRAND TOTAL	57		

ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐ Not yet Competent ☐

(Please tick as appropriate)

(The candidate is competent if the candidate obtains at least 50%)

Feedback from the Candidate:

Feedback to the Candidate:

Candidate Signature

Date:

Assessor's Signature

Date
