

083105T4AQC

AQUACULTURE MANAGEMENT LEVEL 5

AQ/OS/AT/CR/03/5/A

Operate Fish Hatchery

March/April 2025



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

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: Perform hand sexing of the fish			
1. Wore appropriate attire. • Food grade gloves • Gumboots • Apron/overall • Mouth piece/ face mask <i>(The above PPEs must be worn)</i>	1 1 1 1		
2. Cleaned and organized the work area • Cleaned/wiped the work area. • Organized/assembled all the tools and materials on the working bench. <i>(Award full marks only if all the materials in the candidate instruction tool have been assembled and that none is collected after the start of the practical)</i>	1 2		
3. Removed fish from the water and performed hand sexing to separate males from female. • Separated one male with a	3		

pointed genital papilla Separated two female with a rounded genital papilla <i>(Award 3 marks for separating 1 male or zero)</i> <i>(Award 3 marks each for identifying each female or zero= 6)</i>	6		
4. Put the fish respectively in the labeled buckets <i>i.e. male in the buckets labeled male and female in the buckets labeled female</i> <i>(Award 1 mark for each properly used bucket used)</i>	2		
Sub-Total 1	18		
TASK 2: Feeding rate			
5. Weighed the fish Placed the fish in a moist tray on a weighing scale. <i>(Award 3 marks for proper live fish handling procedure, award 2 mark for a candidate who fails to moisten the tray)</i>	3		
6. Read and recorded the weight of each of the three fish. <i>(Award 1 mark for accurately weighing each fish or zero, 1 mark for recording each weight or zero x 3 = 6)</i>	6		

7. Calculated the amount of feed. - Added the total weight of the three fish Fish a + b + c = d grams - Amount of feed per fish $= \frac{3}{100} \times \text{weight of each} =$ (weight (g)) - Amount of feed for all fish = weight (g) x 3 = weight all (g) - Amount of feed for the quarantine period = weight all (g) x 14 days = feed for the quarantine period Weighed the feed quantity for the quarantine period from the provided feed.	4		
	3		
	3		
	3		
	3		
8. Collected, cleaned and dried the tools, work area and equipment used (Award 1 mark each)	3		
9. Stored all the used tools, materials and equipment in appropriate storage areas. (Award 2 marks for storing the tools.)	2		
10. Waste management Collected, sorted the wastes into biodegradable and non-recyclable wastes and disposed of the wastes based on the categories. (Award 1 mark for collection, 1 mark for sorting the wastes and 1 mark for proper disposal based on waste type)	3		
Sub-Total 2	33		
GRAND TOTAL	51		

ASSESSMENT OUTCOME	
The candidate was found to be: Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>	
Feedback from the Candidate:	
Feedback to the Candidate:	
Candidate Signature 	Date:
Assessor's Signature 	Date