

083105T4AQC

AQUACULTURE MANAGEMENT LEVEL 5

AQ/OS/AT/CR/02/5/A

Produce Fish Feeds

March/April 2025



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

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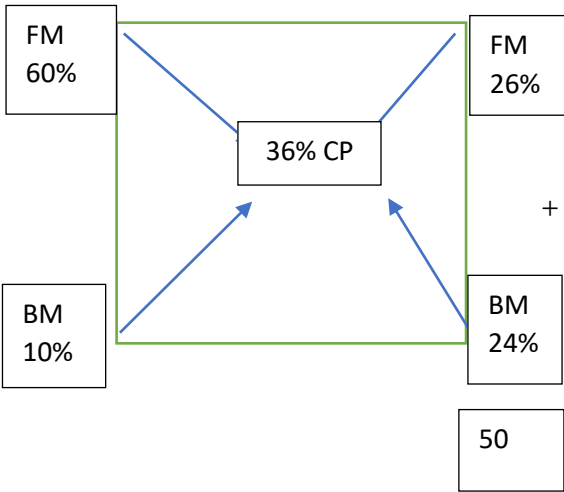
PRACTICAL ASSESSMENT

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: Perform feed formulation			
1. Wore appropriate attire. - Glove - Gumboots - Headgear/hairnet - Apron/dustcoat - Mouth piece/ face mask <i>(The above PPEs must be worn during these tasks)</i>	1 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. Formulated the fish feed using Pearson square method The candidate should show computation as follows:			

			
• Drawn Pearson square. • Indicated fish meal on the left corner. • Indicated broken maize on the left corner. • Indicated CP (36%) in the middle. • Subtracted broken maize from 36% CP, getting 26% and indication on the right corner of the Pearson square. • Subtracted fish meal from 36% CP, getting 24% and indication on the right corner of the Pearson square. • Added 26% to 24% to get 50% and indicating the total below the table. • % of fish meal in the whole feed = $\frac{26\%}{50\%} \times 100\% = 52\%$ of the total feed. • % of broken maize in the whole feed = $\frac{24\%}{50\%} \times 100\% = 48\%$ of the total feed. (Award full marks or zero)	1 1 1 1 2 2 2 2 2		

<i>or 1 mark for using the small basins in mixing)</i> • Transferred the ground maize to the wide basin • Mixed the fish feeds <i>(Award 2 marks for manual mixing or zero)</i> • Achieved a homogeneous mixture where the two ingredients cannot be separated. <i>(Award 2 marks for a homogeneous mixture or 1)</i>	2 2 2		
7. Collected, cleaned and dried the tools, work area and equipment used <i>(Award 1 mark each)</i>	3		
8. Sorted and stored all the used tools, materials and equipment in appropriate storage areas. <i>(Award 1 mark for sorting and 1 for storing the tools in respective storage areas)</i>	2		
9. Waste management • Collected, sorted the wastes into biodegradable and non-recyclable wastes and disposed of the wastes based on the categories. <i>(Award 1 mark for collection, 2 marks for sorting the wastes and 2 marks for proper disposal)</i>	5		
Sub-Total 2	32		
GRAND TOTAL			

	58		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <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	
_____		_____	