END TERM 3 2026

GRADE 10

MARINE AND FISHERIES TECHNOLOGY

TIME: 2 HOURS 30 MINUTES

Name: _____

Assessment Number: _____

Class / Stream: _____

Date: _____

INSTRUCTIONS TO CANDIDATES

- Write your name and assessment details in the spaces provided.
- Answer ALL questions.
- Read each question carefully before answering.
- Show all working and reasoning where required.
- Label all diagrams clearly and draw neatly where a drawing is required.
- Use appropriate terminology relating to marine and fisheries technology.
- Write your answers in the spaces provided or immediately following the question.
- Check that all pages and questions are present before leaving the examination room.

EXAMINER'S USE ONLY

Section	Question Numbers	Maximum Score	Candidate's Score
Section A	1–3	24	
Section B	4–6	26	
Section C	7–9	30	
TOTAL		**80**	

GRADE 10 END TERM 3 2026 SUMMATIVE ASSESSMENT

Cumulative coverage: ALL Grade 10 strands and sub-strands in the KICD Curriculum Design.

SECTION A: FISH BIOLOGY AND ECOLOGY

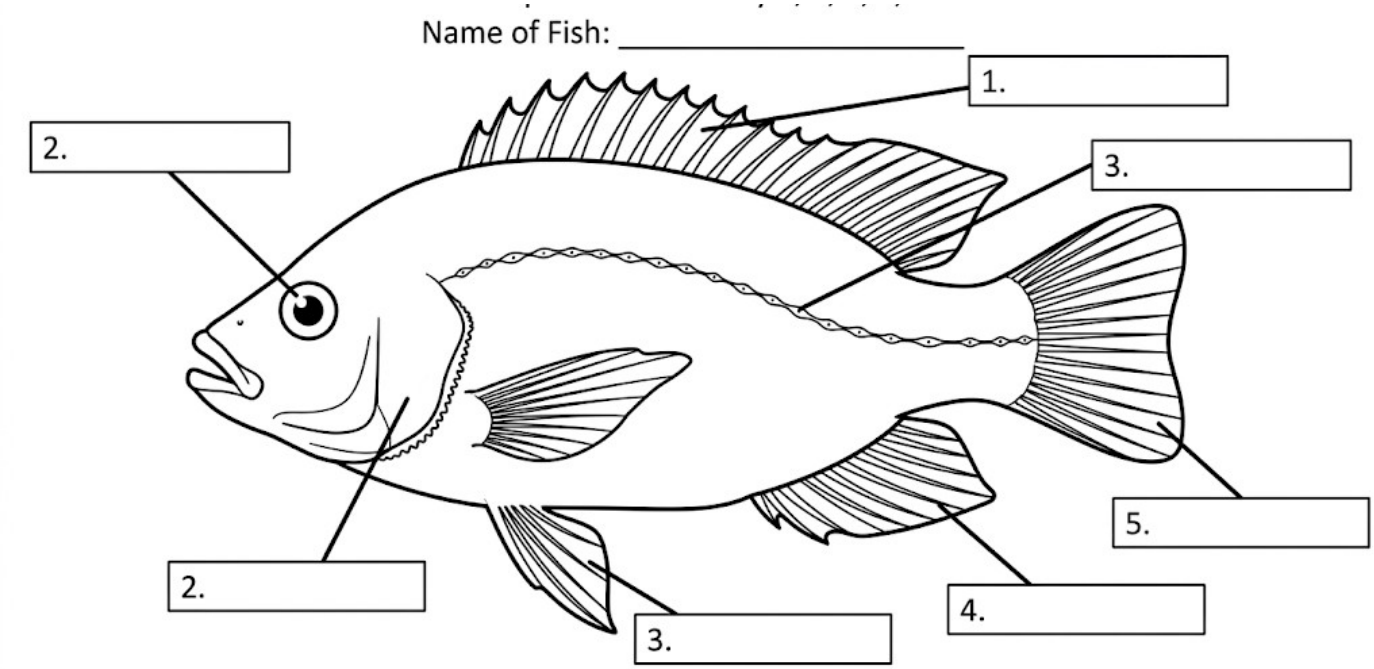
1. (a) State four opportunities available in marine and freshwater fisheries. **(4 marks)**

_____
_____
_____
_____

(b) Describe two basic characteristics of marine or freshwater environments that support fish life. **(4 marks)**

_____
_____
_____
_____

2. (a) Study the fish diagram below and answer the question that follows. **(5 marks)**



Label on the diagram five indicated external features. **(5 marks)**

(b) Give three differences between bony fishes and cartilaginous fishes. **(3 marks)**

_____
_____
_____

3. Explain four ways in which an aquatic ecosystem can support fish and other aquatic organisms. **(8 marks)**

_____
_____
_____
_____
_____

SECTION B: AQUACULTURE

4. (a) Describe three different types of aquaculture systems. **(3 marks)**

(b) Explain three reasons why aquaculture is economically important to Kenya. **(3 marks)**

(c) State two challenges facing aquaculture development in Kenya. **(2 marks)**

5. A school intends to establish a small fish production unit. Answer the following. **(8 marks)**

(a) Identify four factors that should be considered when selecting a suitable site for a fish pond. **(4 marks)**

(b) State four features that should be considered when constructing a simple fish pond. **(4 marks)**

6. (a) Draw and label a simple fish production system suitable for a school aquaculture project. **(4 marks)**

(b) State four management practices that should be carried out after stocking a fish pond. **(4 marks)**

SECTION C: CAPTURE FISHERIES, SAFETY AND APPLICATION

7. (a) Identify the three main types of capture fisheries given in the Curriculum Design. **(3 marks)**

(b) Explain three characteristics of artisanal/small-scale fisheries. **(3 marks)**

(c) Explain two ways in which capture fisheries contribute to the Kenyan economy. **(2 marks)**

8. A fishing crew is preparing to operate a vessel in an aquatic environment. **(12 marks)**

(a) Describe four types of accidents that may occur during fishing activities and state one possible cause of each. **(4 marks)**

(b) Identify four pieces of safety equipment required in a fishing vessel and state the purpose of each. **(4 marks)**

(c) State two basic survival techniques that can be practised in an aquatic environment. **(2 marks)**

(d) State two first-aid actions that may be taken for injuries related to fishing activities. **(2 marks)**

9. A community is considering whether to expand a capture-fishing activity or establish a fish pond. Using knowledge from the Grade 10 course: **(10 marks)**

(a) Compare the two options under four relevant considerations, such as production system, management requirements, safety, or resource use. **(4 marks)**

(b) Recommend four responsible practices that would promote safe, sustainable and productive use of fisheries resources. **(4 marks)**

_____
_____
_____
_____
_____

(c) State two ways learners can promote awareness of safety and sustainable fisheries practices in their community. **(2 marks)**

_____
_____

END OF QUESTION PAPER