Fisheries Literacy questionnaire

Date: _____
Village/landing site: _____
Name of interviewee: _____
Your gender (male or female)_____
Age of respondent: _____
Years of education: _____
Occupation: _____
If you are a fisher what type of gear do you use most? _____
Do you use, share, or own a boat? _____
If you are a fish trader, how do you sell fish (fry, wholesale, retail, frozen, fresh, etc)?
_____
Do you hold any leadership position in BMU? Yes_____ No_____

Would you be interested in a job to measure fish catch at your landing site?
Yes_____ No_____

Have you ever attended fishers forum organized by Wildlife Conservation Society (WCS) yearly (Annual Fishers' Forum)?
Yes_____ No_____ If yes, how many times?_____

A. Respondent characteristics

1. How many people live in your household including yourself?_____

Adult male	Adult female	Male children	Female children

2. Where are you originally from? *(Choose one)*

This community	This region	This country	Other country

3. How long have you lived in the current community XXX? _____

4. Do you belong to any marine resource use or management groups? _____ If yes, how many groups? _____

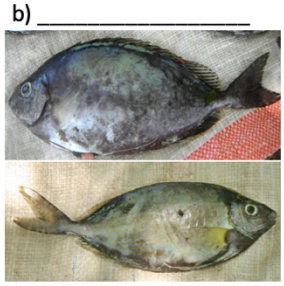
5. How much on average does your household spent in two weeks on food?
_____

B. Respondents answers: Please answer the questions to the best of your ability

6. Fish species/family identification: Identify these fishes either in Swahili or English and their fish groups

a) _____

b) _____



c) _____

d) _____

e) _____

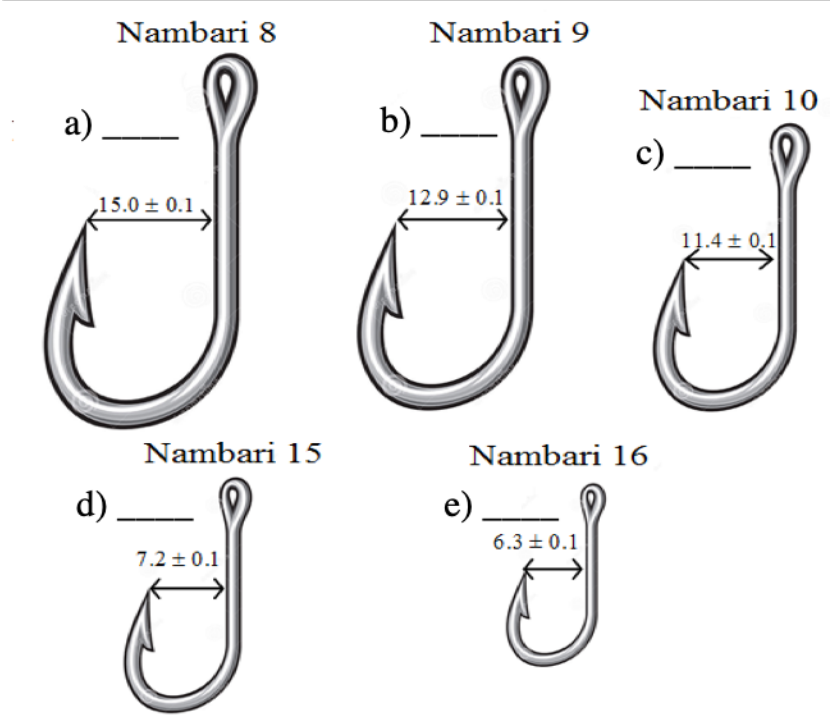
f) _____

7. Gear identification: Identify and name the following fishing gears

a)_____ b)_____ c)_____

d)_____ e)_____ f)_____

8. Hook size: Select the hook size that should catch the largest fish. Tick the correct answer



E. Don't know

9. Fisheries legislation

a. Under fisheries management measures and legislation, which of the following is **NOT** considered as a management measure?

A. Number of fish traders_____
B. Size of net used _____
C. Access to fisheries e.g. licensing_____
D. Closed areas for fishing_____
E. None of the above
E. Don't know_____

b. According to Kenya Fisheries Management Act of 2016, which of the following is NOT illegal gear?

A. Beach seine nets _____
B. Poison _____
C. Nets with mesh size > 3 inches _____
D. Monofilament nets_____
E. None of the above
F. Don't know_____

c. From the positions below, who is NOT part of Beach Management Unit (BMU) executive office members

A. Chairperson_____
B. Assistant chairperson_____
C. Treasurer_____
D. Secretary_____
E. Deputy secretary
F. Conflict resolution officer
G. None of the above
F. Don't know_____

10. Fishing grounds:
a. How would you estimate the size or area of the **fishing ground** for a BMU?

A. Time spent during a fishing trip
B. Length of the coastline where fishing village is located
C. Distance travelled during fishing trips
D. The area where most people fish daily in square kilometre, km^2
E. Distance to next fishing village
F. None of the above
G. Don't know

b. Fishing grounds: How would you best measure the **total distance** a single fisher travels during a single fishing trip?

A. GPS tracking device
B. The size of the BMU
C. Strength of the wind
D. The area where people fish in kilometre square -km^2
F. None of the above
G. Don't know

11. Fishing effort: How can fishing effort in a given day be measured accurately?

A. Number of fish traders in landing site
B. Number of boats in landing site
C. Number of BMU members
D. Number of fishers who went fishing on the day
E. Don't know

12. Total catch: What is the most accurate way to measure fish catch?

A. Weighing scale or balance
B. Number of baskets filled per day
C. Number of fish traders working at the landing site
D. Number of fishers who went fishing on the day
E. Number of boats that went fishing on the day

F. Number of boats at a landing site
G. Don't know

13. CPUE: How do you measure catch per unit effort (CPUE)

A. Total daily catch multiplied by number of fishers
B. Total daily catch divided by number of fishers
C. Number of fishers divided by monthly catch
D. Total daily catch minus number of fishers
E. Time spent fishing in a month
F. None of the above
G. Don't know

14. Fish length: What is the best way to measure the length of a fish?

A. Weighing scale
B. Estimate with the eye
C. Number of baskets
D. Tape measure/ruler
E. Number of fingers
F. None of the above
G. Don't know

15 Musa works for 6 hours per day and get paid 400 Kenya shillings (Ksh). How much will Musa earn in 30 days working the same hours per day?

A. 18,000 Ksh
B. 24,000 Ksh
C. 12,000 Ksh
D. 72000 Ksh
E. 240 Dollars
F. Don't know

16. Every day Bi Hamisi spends 50 Kenya shillings to buy cooking oil and 50 Ksh for charcoal for fuel. She also spends 100 Ksh on transport to and from the landing site where she purchases 1 kilogram of fish at 100 shillings. Eventually, Bi Hamisi sells cooked fish at 350 shillings. How much profit will Bi Hamisi have made after 30 days?

A. 9,000 Ksh
B. 1,500 Ksh
C. 10,500 Ksh
D. 19,500 Ksh
E. 300 DoKsh
F. Don't know

17. If your landing site is given 10,000 Kenya shillings per month to sample fish and you employ two people at 500 Kenya shilling per day. How many days can you sample fish in 1 month?

A. 1 day
B. 5 days
C. 10 days
D. 20 days
E. 30 days
F. Don't know

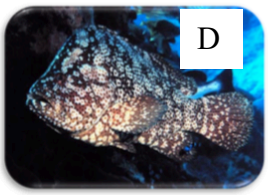
18. What is the main cause for a limitation to the productivity of fish biomass
   A. Rainfall
   B. Water depth
   C. Sunlight
   D. Winds
   E. Tides
   F. Don't know

19. Among the species shown below, circle the species that eats the sea urchins.

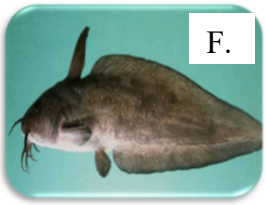
Rays (Taa)

Balistapus undulates (Kikande mistari)

Sharks (Papa)



Dermatolepsis striolata



Plotosus limbatus

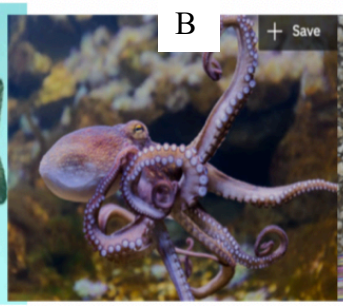
G. None of the above_____ H. Don't know_____

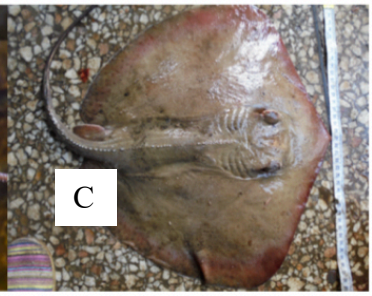
20. Among the species shown below, circle the species that eats the algae and seagrass.

a) _____ b) _____ c) _____

A

B



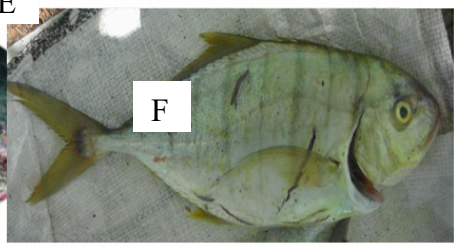


C

d) _____ D ___

e) _____ E

f) _____



F

F. None of the above_____ H. Don't know_____