

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI
SCHOOL OF BIOLOGICAL SCIENCES
BIOLOGY DEPARTMENT
RAIN SEMESTER 2017/2018 EXAMINATION
BIO 308: INTROD. TO FISHERIES & WILDLIFE MGT (3 UNITS)
TIME ALLOWED: 3 HOURS DATE: 29 - 08 - 2018

Instruction: Answer any five (5) questions.

1. Define the following terms: i. Fecundity ii. Fishery iii. Escapement
iv. By catch v. Spawning potential ratio (SPR) vi. Discard mortality
vii. Total mortality. (12 marks)
2. a. Outline eight advantages derivable from unnatural ways of fish cultivation. (4 marks)
b. Outline five factors that could regulate the carrying capacity of your fish pond. (4 marks)
c. n maximum sustainable yield (MSY) and optimum sustainable yield (OSY)
3. Write short notes on: i. Stock assessment ii. Catch per unit effort
iii. Fishery dependent factors iv. Fishery independent factors
4. Differentiate between (i) Fishing mortality and natural mortality (ii) Overfishing and overfished (iii) Fish stock and fish population. (4 marks each)
5. a. Outline any six biological data or information needed for stock assessment. (6 marks)
b. Outline any six non biological data and other fishing information needed for stock assessment. (6 marks)
6. a. With the aid of a well labeled diagram, describe the external features of the head of fish. (7 marks)
b. Discuss the characteristics of the marine habitat. (5 marks)
- ✓ 7. a. Write elaborately on the body shape of fish. (7 marks)
b. Enumerate the major zones of the marine habitat. (3 marks)
c. Mention two characteristics of the splash zone. (2 marks)

8) a list five fish regulation in mgmt

b discuss fishery habitat improvement

9) list and discuss three propagation methods in fish