



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikwe Express Way, Plot 91,
Cadastral Zone,
Jabi, Abuja

Faculty of Agricultural Sciences

FIRST SEMESTER EXAMINATION: June/July

COURSE CODE: AFM 317

COURSE TITLE: FISH HEALTH MANAGEMENT (2 Units)

TIME: 2HOURS

**ANSWER 4 QUESTIONS (ALL QUESTION CARRIES EQUAL MARKS;
25 MARKS EACH)**

- 1a. What are bacteria and Protozoa?
- 1b. How do viral infection and bacterial infection enter into the body?
- 1c. Enumerate FDA guidelines for freezing fish to kill parasites
- 2a. What are the control measures for parasites in fish
- 2b. Distinguish between infectious and non-infectious diseases in fish.
- 2c. Some people are allergic to fish, advance the cause and treatment.
- 3a. State the Significance of Fish Disease to Aquaculture
- 3b. Why is fish disease less common in the wild?
- 3c. How can you determining when fish are sick?
- 3d. What do you understand by environmental stress in fish?
- 4a. Write a short note on fin rot and tail rot.
- 4b. List the treatment and control strategy of infectious hazard causal agents and explain two
- 5a. Give a brief explanation of bacterial gill disease and its treatment
- 5b. Briefly explain how one can prevent ich in fish tank
- 6a. Describe the stages of velvet parasite in fish and diagrammatically describe freshwater velvet life cycle

6b. List the key points to reducing public health risks from pathogens in livestock-fish systems.