New York FFA Association
Aquaculture

Teams: Will consist of 3 members (a 4th alternate may be used, with the top 3 scores being counted as the team score.)

First, a general knowledge test of 50 questions in any of the following formats will be given:

Multiple Choice   True/False   Matching   Fill in the Blanks

Second, a three (3) part practical position will be present. This could include team problem solving as well as performances of specific tasks.

General knowledge topics covered may include:

Water quality (Ex: pH, NH3, DO, NO2)
Fish diseases (Ex: causes, symptoms, treatments)
Fish anatomy & physiology – body organs, systems, & functions
Life cycles of aquatic organisms
Aquaculture systems – types & designs
Nutrition (ex. Feeds, feeding, nutrients)

Practical topics may include:
Fish identification
Fish anatomy
Species selection
System design
Disease identification/treatment
Water quality testing
Nutrition/disease treatment calculations

Recommended resources
Aquacultural Science by Delmar Publications
Fish Hatchery Management by US Fish & Wildlife Service