

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF FISHERIES AND AQUACULTURE TECHNOLOGY (FAT)
HARMATTAN SEMESTER EXAMINATIONS 2009/2010 ACADEMIC SESSION

COURSE: AQUATIC FAUNA AND FLORA

COURSE CODE: FAT 301

UNITS: 3.0

TIME: 2½ HRS

ANSWER ONLY FOUR QUESTIONS

1. Aquatic invertebrates are diverse and numerous but make a generalized assessment of them through their common characteristics.
2. Compare and contrast major features of the platyhelminthes with the Nematoda.
3. Illustrate the life cycle of *polystomum* species.
4. With an example in the family Lumbricidae, give an insight into the life cycle of aquatic Oligochaeta.
5. Write short notes on these organisms high-lighting their feeding and reproductive behaviours
 - i. Hydra
 - ii. Triclad Turbellaria
 - iii. Leech (*Glossiphonia Sp.*).
6. Give a reproductive specie each in these respective groups; which are strictly aquatic in habit:
 - i. Sponges.
 - ii. Coelenterates.
 - iii. Platyhelmipthes.
 - iv. Nematode.
 - v. Hirudinea.

