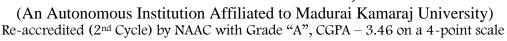
THE AMERICAN COLLEGE, MADURAI



Backlog Arrear Examination, March 2021

ZOO 3543/2446 Developmental Biology Time: 3 Hours

Marks: 75

Answer any Five Questions

(5X15=75)

- 1. Explain the entire process of oogenesis with neat illustrations
- 2. Describe the process of fertilization with labelled sketches.
- 3. Draw a neat diagram and describe gastrulation process in mammal.
- 4. List down the major ecological, anatomical, physiological and biochemical changes in a tadpole during metamorphosis.
- 5. Explain nucleo-cytoplasmic interaction by citing suitable examples and diagram.
- 6. What are stem cells? Describe their properties, types and their role in Pharmacology.
- 7. Describe in detail, the process of in-vitro fertilization and the ethical issues involved in it.