

FACULTY OF SCIENCE

B. Sc. III-Year Examination, March / April 2016

Subject : Zoology

Paper – IV : Applied Zoology

Time : 3 Hours

Max. Marks : 100

Note : Draw the diagrams wherever necessary.

Section – A (5x8=40 Marks)
(Short Answer Type)

Note: Answer any five questions. Attempt at least one question from each unit.

UNIT-I

- 1 Nursery Ponds
- 2 Fish seed transport
- 3 Prawn culture

UNIT-II

- 4 Biopsy
- 5 Anemia
- 6 Immunoglobulin G (IgG)

UNIT-III

- 7 Plasmids
- 8 Transgenic fish

Section – B (4x15= 60 Marks)
(Essay Answer Type)

Note: Answer all questions.

- 9 (a) Write an essay on Hatchery design and Management.
OR
(b) What is induced breeding? Describe the Hypophysation method of fish breeding.
- 10 (a) Give a detail account on the structure and clinical significance of Plasmodium parasite.
OR
(b) Give an account on Blood groups in Human beings.
- 11 (a) What is Transgenesis? Write about transgenic goat.
OR
(b) What is Cloning? Explain in detail the process of Gene cloning.
- 12 (a) What is Immunity? Give an account on the Innate immunity.
OR
(b) What are stem cells? Explain their role in treatment of Parkinson's disease.
