FACULTY OF SCIENCE
B. Sc. III-Year Examination, March / April 2016
Subject : Zoology
Paper – IV : Applied Zoology
Max. Marks : 100

Time : 3 Hours

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.

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