AC-3371

M. Phil. Examination
April / May – 2003
Zoology : Paper-III
(Applied Biology, Immunology & Toxicology)

Time : 3 Hours] [Total Marks : 100

NB: All questions carry equal marks
    All questions are compulsory
    Illustrate your answers with neat diagrams wherever necessary.

1. Mention the differences between Sanctuary and National Park. Give an account of wildlife sanctuaries of India.

   OR

   1. Describe: a) Induced breeding.
      b) Homing in salmon.

2. Give an account on: a) Embryo transfer techniques.
                        b) Environmental impact assessment.

   OR

2. Write notes on: a) Receptors.
                   b) Gene regulation by hormones.

                      b) Tumor immunology.

   OR

3. Describe briefly: a) AIDS
                   b) Antigen recognition.

4. Give an account on genotoxic effects in cells

   OR

                    b) Reproductive toxicity.

5. Write short notes on any three of the following:
   1. Radiation dosimetry.
   2. Radio sensitising agents...
   3. Learning behaviour.
   4. Cryopreservation.
   5. Male infertility.