

AC-3371 Seat No. _____
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 wild life sanctuaries of India.

OR

1. Describe: a) Induced breeding.
 b) Homing in salmon.
2. Give an account on: a) Embyo transfer techniques.
 b) Environmental impact assessment.

OR

2. Write notes on: a) Receptors.
 b) Gene regulation by hormones.
3. Describe briefly: a) Immunodeficiency.
 b) Tumor immunology.

OR

3. Describe briefly: a) AIDS
 b) Antigen recognition.
4. Give an account on genotoxic effects in cells

OR

4. Write briefly on: a) AIR pollutants.
 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.
 6. Wetland ecology.

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