



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
(Autonomous)
End Semester Examination: MAR / APR 2025
Faculty: Science and Technology

Program: BScGen03

Semester: VI

SET: A

Program (Specific): Zoology

Course Type: DSEC

Class: T.Y. B.Sc

Max.Marks: 35

Name of the Course: Medical and Forensic Zoology

Course Code: 24-ZO-361

Time: 2Hr

Paper: I

Instructions to the candidate:

- 1) *There are 5 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

Q1) Define or Explain

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- a) Define hypertension.
- b) Explain Diabetes.
- c) Define Forensic entomology.
- d) Explain mummification.
- e) Define Death.

Q2) Very short answer questions (Attempt any 4/6)

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- a) Define Forensic Science.
- b) What are asphyxiants?
- c) Define Atherosclerosis.
- d) State the Indian Medical Council Act, 1956.
- e) Explain the role of hair follicle in forensic analysis.
- f) What is Forensic Toxicology?

Q3) Short answer questions (Attempt any 4/6)

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- a) Comment upon the role of pesticides as poison.
- b) State the objectives of Autopsy.
- c) Explain the term Forensic medicine.
- d) What is Crime Scene Investigation?



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- e) Explain the biological unit of a Forensic Science Laboratory.
- f) Enumerate any two mechanical forms of injuries.

Q4) Short answer questions (Attempt any 4/6)

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- a) Explain the physical forms of poison with suitable example.
- b) State the Principle of Exchange in Forensic Science.
- c) Comment upon the role of examination of blood in Forensics.
- d) Explain DNA fingerprinting in brief.
- e) Summarise the forensic importance of insects.
- f) Explain the methods of collection of post mortem samples.

Q5) Long answer type Questions

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Attempt any two of the following (2/4)

- a) Give a detailed account of the significance and scope of Medical Zoology.
- b) Comment upon the different branches of Forensic Science.
- c) Elaborate upon the process of external examination of dead body.
- d) State the causative agent, symptoms and preventive measures of Hepatitis B.