

MIZORAM PUBLIC SERVICE COMMISSION
MIZORAM CIVIL SERVICES (COMBINED COMPETITIVE)
MAIN EXAMINATION, 2023

ANIMAL HUSBANDRY & VETERINARY SCIENCE

PAPER-I

Time Allowed : 3 hours

FM : 100

Marks for each question is indicated against it.

Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.

PART - A

1. Explain the physiological functions and deficiency symptoms of Fat soluble and Water soluble vitamins in the animal body. **(10+10=20)**
2. What are feed additives? How are feed additives classified? Write about the role of probiotics as feed additive in pig and poultry. **(2+8+10=20)**
3. Describe the physiology of milk synthesis in bovine and the role of hormones in relation to extrinsic factors for optimum milk production. **(10+10=20)**
4. Enlist the factors effecting semen production and quality preservation in relation to deep freezing and transportation to the target in remote areas. **(20)**

PART - B

5. Enlist the prospects and constraints in the establishment of a dairy farming enterprise in your state. **(10+10=20)**
6. State the standard age and weight in case of piglets weaning. Discuss the care and management of piglets from birth to age of weaning and growing. **(6+14=20)**
7. Explain the following terms and cite the merits and demerits thereof: **(5×4=20)**
 - (a) Inbreeding
 - (b) Outbreeding
 - (c) Upgrading
 - (d) Crossbreeding
 - (e) Synthesis of breeds
8. Narrate the basic philosophy, objectives, their concepts and principles of veterinary and animal husbandry extension. Justify, animal husbandry extension is integral to economic growth of a region. **(10+10=20)**