

## ICAR AIEEA PG 2025 Animal Science Question Paper

**Time Allowed :120 Minutes**

**Maximum Marks :480**

**Total questions :120**

### General Instructions

**Read the following general instructions carefully and adhere to them strictly:**

1. **Duration of the Exam:** The total duration of the examination is 2 hours and 30 minutes.
2. **Total Marks:** The question paper carries a total of 480 marks.
3. **Number of Questions:** The paper contains 120 multiple-choice questions (MCQs)
4. **Question Paper Format:**
  - All questions are compulsory unless otherwise instructed.
  - Each question has four options, out of which only one is correct.
5. **Mode of Examination:** The examination is conducted in online mode (Computer-Based Test).
6. **Marking Scheme:**
  - Each correct answer carries 4 marks.
  - 1 mark will be deducted for each incorrect answer.
  - No marks will be awarded or deducted for unattempted questions.
7. **Medium of Paper:** The question paper will be bilingual (English and Hindi), except for the language section (if applicable).
8. **Rough Work:** Rough sheets will be provided in the exam hall. No extra sheets are allowed.
9. **Electronic Devices:** Use of calculators, mobile phones, smartwatches or any electronic gadgets is strictly prohibited.

**1. Which condition must be met for a population to be in Hardy-Weinberg equilibrium?**

- (A) Small population size
  - (B) No mutation
  - (C) Natural selection occurs
  - (D) Non-random mating
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**2. Which is an advantage of loose housing for dairy cattle?**

- (A) Higher construction cost
  - (B) Difficult estrus detection
  - (C) Better exercise for animals
  - (D) Higher labor requirement
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**3. What is bypass protein in ruminant nutrition?**

- (A) Protein fully degraded in rumen
  - (B) Protein that bypasses digestion completely
  - (C) Protein escaping rumen degradation and digested in intestines
  - (D) Protein without nitrogen
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**4. Which hormone causes milk letdown in dairy cows?**

- (A) Prolactin
  - (B) Estrogen
  - (C) Oxytocin
  - (D) Progesterone
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**5. Which hormone is used in estrus synchronization in cattle?**

- (A) Prolactin
  - (B) Prostaglandin F2
  - (C) Insulin
  - (D) Thyroxine
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**6. Which is an example of a molecular marker used in animal breeding?**

- (A) Hemoglobin
  - (B) SNP
  - (C) Vitamin
  - (D) Enzyme
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**7. Which disease is zoonotic?**

- (A) Mastitis
  - (B) Brucellosis
  - (C) Foot rot
  - (D) Bloat
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**8. What is the crude protein (CP) level for broiler starter feed?**

- (A) 16–17%
  - (B) 18–19%
  - (C) 22–23%
  - (D) 25–26%
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**9. Which is true about HTST pasteurization?**

- (A) 63°C for 30 min
  - (B) 50°C for 10 min
  - (C) 72°C for 15 sec
  - (D) 100°C for 5 sec
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