

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.
2. Number of Questions: The paper contains 120 multiple-choice questions (MCQs)
3. Question Paper Format:
 - All questions are compulsory unless otherwise instructed.
 - Each question has four options, out of which only one is correct.
4. Mode of Examination: The examination is conducted in online mode (Computer-Based Test).
5. Marking Scheme:
 - Each correct answer carries 4 marks.
 - 1 mark will be deducted for each incorrect answer.
 - Nomarks will be awarded or deducted for unattempted questions.
6. Medium of Paper: The question paper will be bilingual (English and Hindi), except for the language section (if applicable).
7. 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

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%

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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