

WEST BENGAL UNIVERSITY OF ANIMAL AND FISHERY SCIENCES
Faculty of Veterinary & Animal Sciences

1st Professional Year B.V.Sc. & A.H. First Internal Assessment, 2021-22

Livestock Production Management

Full Marks (Section I & II) – 40

Total Time (Section I & II) – 1 hour

SECTION – I

[Objective]

Name.....

Roll No.

Signature of invigilator

INSTRUCTION

Candidates are required to check 4 pages of question paper (Section-I) before start answering. Answer all the questions, as directed, in the space provided. Correction in any form will not be considered.

For Office Use only

Q. No.	Section-I (Objective Type)				
	Total marks: 16				
	I	II	III	IV	Total
Marks obtained					

Examiner's Signature

Section-I

I. Tick (✓) the correct answer out of the alternatives given.

0.5 x 8 = 4

1. In which state there is the highest buffalo population as per last census?
 - (a) Gujarat
 - (b) Uttar Pradesh
 - (c) Rajasthan
 - (d) Haryana

2. How many agroclimatic zones are there in India?
 - (a) 13
 - (b) 14
 - (c) 15
 - (d) 16

3. An ordinary goods wagon shall carry –
 - (a) not more than ten adult cattle or fifteen calves on broad gauge,
 - (b) not more than six adult cattle or ten calves on metre gauge,
 - (c) not more than four adult cattle or six calves on narrow gauge
 - (d) All of the above

4. Solid preparations are inserted per rectal
 - (a) Pessaries
 - (b) Enema
 - (c) CIDR
 - (d) Suppository

5. The crossbred cattle maintained at the Livestock Farm Complex of West Bengal University of Animal & Fishery Sciences, Mohanpur Campus are
 - (a) Karan Swiss
 - (b) Jersind
 - (c) Frieswal
 - (d) Sunandini

6. Home tract of Nicobari breed of chicken
 - (a) West Bengal
 - (b) Lakshadweep Island
 - (c) Andaman & Nicobar Island
 - (d) Jammu & Kashmir

7. Calving interval in cattle may be equal to
 - (a) Service period + Gestation period
 - (b) Lactation period + Service period
 - (c) Lactation period + Dry period
 - (d) Both a and c

8. In which of the following dairy bovine housing systems provision of central milking passage is observed?

- (a) Single row conventional housing system
- (b) Face to face system
- (c) Tail to tail system
- (d) Loose housing system

II. Fill in the blanks.

0.5 x 8 = 4

1. Rabbit can attain market weight of 2 kg at _____ weeks of age.
2. At the ideal calving index of 365 days, percentage of dry cows in herd will be _____ %.
3. _____ stick is used for disbudding of calf.
4. _____ meal is commonly used for show cattle to increase glossiness of skin and hair.
5. Albumen part of chicken egg is secreted by _____ part of oviduct in chicken.
6. _____ is an anaerobically processed product of green fodder.
7. Floor space requirement of covered area for a pregnant cow under loose housing system is _____ m².
8. For the purpose of bloodless castration of calf _____ is used.

III. Mark the following statements as True or False.

0.5 x 8 = 4

1. The population of the total exotic and crossbred cattle has increased by 26.9% in 2019 as compared to previous census. _____
2. The market is not included in livestock production system. _____
3. For Judging of lactating cattle we assign 30 percent marks for Body Capacity. _____
4. Mediterranean breeds of chickens always lay white shelled eggs. _____
5. Larger the air cell size in a chicken egg, better the egg quality. _____
6. All India Livestock Census is being carried out at an interval of 10 years. _____
7. If a cow gets excited or disturbed at the time of milking, hold-up of milk occurs due to release of oxytocin. _____
8. Breseem is a perennial fodder. _____

IV. Name the following

0.5 x 8 =4

1. The number of offspring produced at one birth by an animal.

Ans: _____

2. A farming system that has several production enterprises or sources of income but no source of income equal as much as 50% of total income.

Ans: _____

3. Detailed description of the behavioural features of a particular species.

Ans: _____

4. Drugs administered into the subarachnoid space of the meninges.

Ans: _____

5. Name the best method for multitrait selection.

Ans: _____

6. Japanese Quail's scientific/ zoological name.

Ans: _____

7. Recognized chicken breed of West Bengal.

Ans: _____

8. The nodal agency in India for registration of breeds of livestock and poultry of our country.

Ans: _____

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Livestock Production Management

Full Marks (Section I & II) – 40

Total Time (Section I & II) – 1 hour

SECTION – II
[Subjective]

Name.....

Roll No.

Signature of invigilator

INSTRUCTION

Candidates are required to check 2 pages of question paper (Section-II) before start answering. Answer the questions, as directed. **All the questions should be attempted strictly as per serial number of the questions.** Blank Answer Sheet will be supplied by the invigilator. Special credit will be given for answers which are brief and to the point. Marks will be deducted for spelling mistakes, untidiness and poor handwriting.

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Q. No.	Section-I (Objective)	Section-II (Subjective)			TOTAL (40)	Weightage (10)
	Total marks: 16	Total marks: 24				
	I to IV	V	VI	VII		
Marks Obtained						

Examiner's Signature

V. Justify (any four).

2 x 4 = 8

1. It is said that 'milk is in the mouth of a cow, not in her udder'.
2. A cow with a high persistency index is indicative of good milk producer.
3. Intravenous route is the fastest route of drug administration.
4. Body Condition Scoring is very crucial for early lactation management of high yielding dairy cows.
5. Return is quicker in broiler farming in comparison to layer farming.

VI. Write short notes (any four).

4 x 2 = 8

1. Loose housing system
2. Work flushing of bullock
3. Ingestive behaviour of animals
4. Breeding Soundness Evaluation of bulls (BSE)
5. Duck farming

VII. Differentiate (any four).

4 x 2 = 8

- 1 Isolation and quarantine
2. Herd average and wet average
3. Classical vs Operant Conditioning
4. Tandem vs. Independent culling method of selection
5. Backyard poultry and commercial poultry

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