

**WEST BENGAL UNIVERSITY OF ANIMAL AND FISHERY SCIENCES**

**Faculty of Veterinary & Animal Sciences**

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

Subject: 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 requested 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 may not be considered.**

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

Examiner's Signature

Section-I (Objective, 10 marks)

0.5 x 10 = 4

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

1. Which of the following is called as the 'dancing deer'?
  - (a) Hangul
  - (b) Manipuri deer
  - (c) Barking deer
  - (d) Chital
  
2. Large White Yorkshire is an exotic pig breed of
  - (a) UK
  - (b) USA
  - (c) Denmark
  - (d) France
  
3. State the type of integration when a broiler integrator starts a processing unit
  - (a) Forward integration
  - (b) Backward integration
  - (c) Parallel integration
  - (d) None of the above
  
4. The order of bleaching or disappearance of yellow pigment in a layer bird in production is
  - (a) Vent-eye ring-ear lobe-beak-shank-toes
  - (b) Vent-eye ring -beak-shank-toes-ear lobe
  - (c) Shank-toes-beak- -ear lobe -eye ring-vent
  - (d) Shank-eye ring-vent
  
5. Young/baby Guinea fowl is known as
  - (a) Keet
  - (b) Ganders
  - (c) Poult
  - (d) Tom
  
6. Good quality silage should have pH
  - (a) > 5.5
  - (b) 4.2-5.5
  - (c) 3.5-4.2
  - (d) 3-3.5
  
7. The favourable conditions for hatching of chicken eggs are:
  1. 65% relative humidity.
  2. 37.5° C temperature inside the incubator.
  3. Circulation of fresh air containing 21% oxygen.
  4. Turning of eggs are must during the entire period of incubation

Select the correct answer from the code below:

- Code
- |                            |                               |
|----------------------------|-------------------------------|
| (a) 1, 2 and 3 are correct | (b) 2, 3 and 4 are correct    |
| (c) 1, 2 and 4 are correct | (d) 1, 2, 3 and 4 are correct |

8. Match List I with List II and select the correct answer using the code given below the lists.

List I (Species)	List II (Incubation period)
A. Turkey	1. 35 days
B. Quail	2. 21 days
C. Muscovy duck	3. 28 days
D. Fowl	4. 17 days

Code: (a)	A	B	C	D	(b)	A	B	C	D
	2	1	3	4		3	1	2	4
(c)	A	B	C	D	(d)	A	B	C	D
	1	3	4	2		3	4	1	2

**II. Fill in the blanks.**

0.5 x 8 = 4

1. Avikalin is a crossbred sheep evolved by crossing Rambouillet ram and \_\_\_\_\_ ewe at CSWRI, Avikanagar.
2. Turkey variety \_\_\_\_\_ was developed at CARI, Izatnagar.
3. Moisture content in hay \_\_\_\_\_
4. The size of the chick box should be \_\_\_\_\_ for accommodating 80 chicks (as per Transport of Animals Amendment Rules, 2001).
5. RIR, New Hampshire and Australorp lay \_\_\_\_\_ colour shelled eggs.
6. \_\_\_\_\_ is the most devastating viral disease of swine.
7. \_\_\_\_\_ is the most common energy rich concentrate in swine ration.
8. The favourable temperature of the holding room for chicks should be \_\_\_\_\_ °C along with 70% relative humidity.

**III. Mark the following statements as True or False.**

0.5 x 8 = 4

1. Wool ignites at a higher temperature than cotton & some synthetic fibres.
2. Broiler breeder females are fed 22 % protein.
3. Weight of male is less than female in Japanese Quail.
4. ASHA is an indigenous pig breed of India.
5. The weaning age of piglets under field condition is 8 weeks.
6. Broodiness is more common in heavy breeds than light ones
7. Vaccination against Gumboro disease in broiler poultry farm is optional.
8. Vencob is a broiler type high yielding hybrid chick.

**IV. Name the following**

0.5 x 8 = 4

1. The feed during early phase of growth of piglets (5-15 kg of body weight) with high protein and energy.

Ans: \_\_\_\_\_

2. Application of heat to the birds at their early part of life.

Ans: \_\_\_\_\_

3. A wooden or metal box closed from all sides, but having an aperture of 2.5 cm in diameter, and one electric bulb is fitted inside the box, used for testing of intact egg.

Ans: \_\_\_\_\_

4. The machine used for production of chicks from fertile eggs.

Ans: \_\_\_\_\_

5. In skip-a-day feeding programme this type of feed is provided on every alternate day.

Ans: \_\_\_\_\_

6. State animal of West Bengal

Ans: \_\_\_\_\_

7. Additional structure in farrowing pen which prevents piglets from crushing.

Ans: \_\_\_\_\_

8. Mating of related birds within a breed.

Ans: \_\_\_\_\_

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Faculty of Veterinary & Animal Sciences

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

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. Loose Sheets will be supplied by the invigilator for answering this Section. Answer the questions, as directed, strictly maintaining serial number of the questions. 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

$4 \times 2 = 8$ V. Write short notes (any four).

1. Flushing
2. Problems in poultry-fish integrated farming
3. Importance of culling in poultry production
4. Piglet's anaemia
5. FCR in broiler chicken

 $4 \times 2 = 8$ VI. Differentiate (any four).

1. Wool and Hair
2. Battery cage and Californian cage
3. Good layer and poor layer fowl (Characteristics)
4. Grower vs. Starter Ration of Pigs
5. Hay and silage

 $2 \times 4 = 8$ VII. Justify (any four).

1. Ducks can spend long hour in water without wetting.
2. Wild life sanctuaries are elevated into National Park status.
3. Japanese Quail requires less space than chicken.
4. Brooding of piglets are essential in winter season.
5. Turning of eggs during incubation is an essential activity.

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