

West Bengal University of Animal and Fishery Sciences

Faculty of Veterinary & Animal Sciences

1st Professional Year B.V.Sc. & A.H. Second Internal Assessment, 2022-23

Livestock Production Management

Full Marks – 40

Time – 1 hour

Name.....

Roll No.

Signature of invigilator

Candidates are required to check 5 pages of question paper before start answering. Answer the questions as per direction given. Answer of Objective questions should be written on the question paper itself. Answers of subjective questions must be written serially in separate sheet(s) provided to you. Special credit shall be given for answers which are brief and to the point. Marks shall be deducted for spelling mistakes, untidiness and poor handwriting.

Section – I: Objective types - 16

Section – II: Subjective types - 24

Q. No.	Section-I (Objective Type)				Section-II (Subjective Type)			TOTAL (40)	Weightage (10)
	I	II	III	IV	V	VI	VII		
Marks									

Signature of Examiner(s)

Section-I (Objective)

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

0.5 x 8 = 4

- (1) Headquarter of IUCN is located at
(a) France
(b) India
(c) USA
(d) Switzerland
- (2) In a dairy herd, somatic cell count (SCC) test is done to check which of the following diseases?
(a) Metritis
(b) Mastitis
(c) FMD
(d) Laminitis
- (3) In Integrated poultry-fish farming, liming is done
(a) In the morning
(b) In the night
(c) Any time in a day
(d) At the noon
- (4) Best egg laying duck
(a) Pekin
(b) Muscovy
(c) Khaki Campbell
(d) White Leghorn
- (5) Find the odd one out.
(a) Cobb 400
(b) BV 300
(c) Ross
(d) Hubbard
- (6) According to the body weight of a calf, how much of colostrum should be fed daily to it?
(a) $1/5^{\text{th}}$
(b) $1/7^{\text{th}}$
(c) $1/10^{\text{th}}$
(d) $1/20^{\text{th}}$
- (7) Consider the following information in relation to yield and quality of milk in India.
1. Buffalo milk is rich in fat than cow milk.
2. If dry period is more, milk production will be more in the next lactation period. So, more dry period is desirable in efficient dairy cow management.
3. More concentrate feeds are fed to increase the fat percentage of cow milk.
4. If sun-cured hay is fed to a dairy cow, vitamin A content of its milk will be increased.
Select the correct answer from the code below.
CODE:
(a) 1, 2 and 3 are wrong
(b) 2, 3 and 4 are wrong
(c) 1, 2 and 4 are wrong
(d) 1, 3 and 4 are wrong

(8) Harmful chemical presents in Sorghum

- (a) H₂S
- (b) CH₄
- (c) HCN
- (d) 2HO

0.5 x 8 = 4

II. Fill in the blanks.

- (1) Snow Leopard is the state animal of _____.
- (2) Total working hours including overtime should not exceed _____ hours in a week in a dairy farm.
- (3) The _____ hormone prevents the milk letdown process.
- (4) The breeder female chicken will be fed a feed having _____ percent protein and 3.0 to 3.5% calcium.
- (5) Egg type domesticated Quail birds start laying at _____.
- (6) Berseem prefers _____ climate.
- (7) Feeding extra amount of concentrate feed to a cow during two weeks before expected date of calving for growth of fetus and maintaining body reserve to withstand calving stress is called _____.
- (8) Milking before calving is technically known as _____.

III. Mark the following statements as TRUE or FALSE.

0.5 x 8 = 4

(1)	Largest zoo in the world is 'The Wilds'.	
(2)	A thick growth of hair (feathers) on the buttocks is found in Jamunapari goat.	
(3)	Herd average is always greater than wet average in an organised dairy farm.	
(4)	Curled toe paralysis in poultry is due to deficiency of Vitamin B ₂	
(5)	The height of the feeder and waterer should be at the neck height of the bird.	
(6)	It is generally considered that a heifer may be bred if it attains around 50% of its mature body weight.	
(7)	Fat content of Sahiwal milk is more than that of Holstein Friesian milk.	
(8)	Cowpea tolerates water stagnation and heavy drought.	

IV. Name the following

0.5 x 8 = 4

- (1) The cover in which some wild animal species try to spend their time aimlessly
.....
- (2) Jaw movements like chewing food in sows which has no food in its mouth
.....
- (3) The sheets generally maintained at organized farms which reveal the complete history of animals
- (4) The specific tortuous veins prominent in front of udder on each side of belly which are regarded as an indication of good milk producing ability
.....
- (5) An organisation which is concerned with marketing of eggs and poultry at national level
.....
- (6) The process of using light to observe the internal and external parts of an egg to determine freshness, defects or fertility of an egg.
- (7) The primary dairy animal (species) in India
- (8) Application of heat to the chicks during their early part of life

Section-II (Subjective)

[Write serially in separate sheet(s) provided to you.]

V. Justify (any four).

2 x 4 = 8

- (1) Salinity of estuarine habitat depends on high tide and low tide.
- (2) Culling is a part of management to maintain optimum production in a livestock farm.
- (3) Flock uniformity is a major goal to be achieved in breeder flock management.
- (4) Laying birds require high calcium in the diet.
- (5) Feed is one of the most important factors for milk production.

VI. Write short notes (any four).

2 x 4 = 8

- (1) Management interventions for hygienic milk production
- (2) Skip-a-day feeding programme
- (3) FCR
- (4) Fertilizer management of Maize
- (5) Attending to newborn calf

VII. Differentiate between (any four).

2 x 4 = 8

- (1) National Park vs Wildlife sanctuary
- (2) African elephants vs Asiatic elephants
- (3) Bullock vs Teaser Bull
- (4) Duck vs Chicken
- (5) Toned milk vs Double toned milk

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