Reg. No.										

Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)

B. Sc. (Ag.) (Fifth Semester - Regular) Examinations, November – 2025

LPM-311 – Livestock Production and Management

Time: 2 hrs | Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A

Q.1. Fill in the blanks with suitable word / figure. **(0.5 x 10 = 5 Marks)**

a. Gestation period in Buffaloes is _____days.
b. The oestrous cycle in cows lasts _____days.
c. _____ is the milk sugar present in milk.
d. Colostrum should be fed withing 2 hours of body up to _____% of BW of calf.
e. The main Female reproductive Hormones are_____ and oestrogen.
f. The ovulation in cows occurs _____hours after oestrous heat.
g. Milk is devoid if _____vitamin.
h. During pregnancy, _____kg of additional ration is given to cows.
i. Green fodders are rich in vitamin_____, helps in vision.
j. _____is the cheapest energy rich farm by-product is given to livestock.

Q. 2. Define (or) Explain the following in one or two sentences. **(1 x 5 = 5 Marks)**

a. Anoestrus
b. Colostrum
c. Puberty
d. Sterility
e. Weaning

Q3. Match the following **(0.5 x 10 = 5 Marks)**

	Column – A		Column – B
(a)	Murrah	(i)	Kerela
(b)	Jaffrabadi	(ii)	Kuttch Gujrat
(c)	Nili ravi	(iii)	Himachal & Punjab
(d)	Jersey	(iv)	Britain
(e)	Gir	(v)	Haryana
(f)	Holstein	(vi)	Rajasthan
(g)	Tharparkar	(vii)	Andhra Pradesh
(h)	Kankrej	(viii)	Sawai Chal
(i)	Punganoor	(ix)	Maharashtra
(j)	Ongole	(x)	Kerela

Q4. Write True or False against each statement **(0.5 x 10 = 5 Marks)**

a. India's huge population of ruminants is a minor source of greenhouse gases adding to global warming.

b. Sound of goats is called bellowing.

c. Act of mating in Sheep is Tupping.

d. India's livestock sector is one of the largest in the world.

e. For 1L of milk, 400g of concentrate feed mix should be given to cows.

f. Colostrum milk is rich in immunoglobulins.

g. Loose housing system provides most comfort and safety to animals.

h. Livestock sector grew at an annual rate of 5.3% during 1980s, 3.9% during 1990s and 3.6% during 2000s.

i. Generally, cows are dried of milking 60 days before expected time of calving.

j. Animal husbandry promotes gender equity.

PART – B

Attempt *ANY FIVE* questions. All question carries equal marks **(6 x 5 = 30 Marks)**

5. Care and Management of pregnant Animals.
6. Challenges faced by Livestock sector in India.
7. Discuss the housing system in livestock.
8. Vaccination schedule in Sheep and Goat
9. Artificial insemination in cows. Advantages and Disadvantages.
10. Major contributions of livestock industry to social and economic life of people,

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