DAY — **10** SEAT NUMBER | | | | | | |

2025	II	24	1100	J-328	(E)

ANIMAL SCIENCE AND TECHNOLOGY (76)

Time : 3 Hrs. **(4 Pages)** **Max. Marks : 70**

Note : *(1) All questions are compulsory.*

(2) Draw neat diagrams wherever necessary.

(3) Figures given on the right side indicate full marks.

(4) Write answers of all questions on new pages.

Q. 1. (A) Select appropriate alternatives and complete the following statements : **[18]** (5)

(1) Goat meat is termed as _____ .

(a) mutton

(b) chevon

(c) pork

(d) beef

(2) On an average sheep produces _____ g of wool per year.

(a) 480

(b) 580

(c) 680

(d) 780

(3) _____ is used to provide artificial heat to chicks.

(a) Incubator

(b) Candler

(c) Brooder

(d) Debeaker

(4) FMD is caused by _____.

(a) virus

(b) bacteria

(c) fungus

(d) protozoa

(5) _____ method is commonly used for giving identification mark in buffalo calves and pigs.

(a) Tagging

(b) Tattooing

(c) Branding

(d) Ear notching

(B) Match the words from the following pairs : (4)

Group 'A'	Group 'B'
(a) Broiler	(1) Control ectoparasites
(b) Dipping	(2) Marek's disease
(c) HVT	(3) Meat purpose
(d) Lactose	(4) Control endoparasites
	(5) Milk sugar
	(6) Ranikhet disease

(C) State True or False : (5)

(1) In LTLT pasteurization, milk is heated at 63°C for 30 minutes.

(2) Vasectomized bulls are fertile.

(3) Goat milk is alkaline in nature.

(4) Pregnant cow must be dried at least 60 days before calving.

(5) Khoa is a concentrated milk product.

(D) Identify the odd one out : (4)

(1) Antibiotics, Enzymes, Vitamin supplements, Antioxidants

(2) Ticks, Tapeworm, Mites, Lice

(3) Basundi, Khoa, Paneer, Kheer

(4) Milk, Beef, Chevon, Chicken

Q. 2. **(A)** Define the following (Any Three) : (6) **[12]**

(1) Shearing

(2) Organic milk

(3) Disbudding

(4) Meat

(B) Answer in brief (Any Three) : (6)

(1) Enlist the systems of goat rearing.

(2) Write the care of a newborn lamb.

(3) Enlist types of layer feeds.

(4) Give the objectives of housing of animals.

(5) Enlist the methods of castration.

Q. 3. Answer the following questions (Any Three) : **[9]**

(1) Define weaning. Give advantages of weaning.

(2) Give advantages and disadvantages of dehorning.

(3) Write in short care and management of pregnant doe.

(4) State points to be considered while selection of site for construction of dairy farm.

(5) Give advantages of environment control (E.C.) poultry housing system.

Q. 4. Answer the following questions (Any Four) : **[16]**

(1) Give classification of poultry feed ingredients.

(2) Write the steps for clean milk production.

(3) Write in detail about summer management of poultry.

(4) Draw neat and labelled layout of tail-to-tail cattle housing system.

(5) Give cause and symptoms of fowl pox disease in poultry.

(6) Give the classification of indigenous milk products.

Q. 5. **(A)** Answer the following questions in detail (Any One) : (7) **[15]**

(1) Write care and management of layer birds.

(2) Give causes, transmission, symptoms and control measures of mastitis disease in cattle.

(B) Answer the following questions in detail (Any One) : (8)

(1) Write the care and management of breeding bull.

(2) Define dahi. Give the flow diagram of dahi preparation.

◆◆◆