

**DEPARTMENT OF LIVESTOCK PRODUCTION MANAGEMENT**  
**Shourabh College of Veterinary Science, Kheda, Hindaun City, Karauli**

**LECTURE SCHEDULE – THEORY**

**B.V.Sc. & A.H. – 1<sup>st</sup> Year**

**LIVESTOCK PRODUCTION MANAGEMENT**

**Credit Hrs. (4+2) w.e.f. 14/10/2024**

**Theory Lecture Duration: One hour**

**First Professional B.V.Sc. & A.H.**

**Name of teachers: Dr. M. V. Dhumal, Dr. Ravikala Kotikalapudi,**

**Dr. Mugdha Lele, Dr. Haleema H.**

**Unit-1 (General Livestock Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>1</b>	14.10.2024	Demographic distribution of livestock & role in Indian economy; Problems & prospects of livestock industry in India
<b>2</b>	15.10.2024	Common animal husbandry terms related to cattle and buffalo.
<b>3</b>	16.10.2024	Common animal husbandry terms related to sheep, goat, and pigs.
<b>4</b>	17.10.2024	Common animal husbandry terms related to horse, camel, yak & mithun.
<b>5</b>	21.10.2024	Body conformation and identification
<b>6</b>	22.10.2024	Transportation of livestock & wild/zoo animals
<b>7</b>	23.10.2024	Common farm management practices including disinfection, isolation, quarantine & disposal of carcasses
<b>8</b>	24.10.2024	Common farm management practices including disinfection, isolation, quarantine & disposal of carcasses
<b>9</b>	04.11.2024	Introduction to the methods of drug administration
<b>10</b>	05.11.2024	Common vices of animals (cattle, buffalo, sheep & goat), their prevention and care
<b>11</b>	06.11.2024	Introduction to Livestock Production systems. Animal holding & land holding patterns in different agro-climatic zones
<b>12</b>	07.11.2024	Organic livestock production
<b>13</b>	11.11.2024	Judging and BCS for the body parts of livestock
<b>14</b>	12.11.2024	Preparation of animals for show
<b>15</b>	13.11.2024	Culling of animals; Selection & purchase of livestock

### Unit-2 (Fodder Production and Conservation)

S No	Date	Topics
16	14.11.2024	Importance of grasslands and fodder in livestock production.
17	18.11.2024	Agronomical Practices for fodder production- Environment, soil type, Land preparation, sowing time, sowing method, seed rate, manure/fertilizer, irrigation weed control, harvesting time, method and yield.
18	19.11.2024	Important Leguminous fodders in the Kharif and summer season: Cowpea, Rice bean, Velvet bean, Guar, and Soyabean
19	20.11.2024	Important Leguminous fodder crops in the Rabi season: Lucerne, Berseem, Metha, and Senji
20	21.11.2024	Important non-leguminous fodders - cereal fodder (Kharif and summer season Jowar, Bajra, Maize), (Rabi season -Teosinte and Oats)
21	25.11.2024	Important non-leguminous fodders - grass fodder: Hybrid Napier, Guinea grass, Para grass, Deenanath, Marvel grass, Rhodes grass, Sudan grass, and Anjan grass
22	26.11.2024	Soil and Water conservation and drainage of water for fodder production.
23	27.11.2024	Fodder production for small livestock units (backyard cultivation, intercropping, fodder production on waste land/low lying area bunds, charies, canals, azolla & hydroponics)
24	28.11.2024	Structures for storage of feeds and fodders.
25	02.12.2024	Scarcity fodder trees-Acacia, Banyan, Peepal, Glyciridia, Mango, Neem, Tamarind, Bilayati, Subabool, Other sources-Failed crops, Crop residues Plant Plant-oriented wastes, Agro-Industry wastes
26	03.12.2024	Preservation of green fodder, Silage, and Hay making
27	04.12.2024	Recycling of animal washings and wastes in fodder production and the use of recycled waste.

### Unit- 3 (Livestock Production Management- Ruminants)

S No	Date	Topics
28	05.12.2024	Housing systems, layout, and design of different buildings for animals
29	09.12.2024	Selection of site. General principles affecting the design and construction of buildings for housing of cattle & buffalo.
30	10.12.2024	Selection of site. General principles affecting the design and construction of buildings for the housing of Sheep & Goat.
31	11.12.2024	Arrangements of the building with special reference to Indian conditions and Utilization of local materials.
32	12.12.2024	Building materials used for the construction of walls, roof, and floor of animal houses, their characteristics, merits, and demerits.
33	16.12.2024	Breeds of cattle and buffalo and descriptions of important breeds.
34	17.12.2024	Economic traits of cattle and buffaloes.

35	18.12.2024	General management and feeding practices of calves, heifers, pregnant and lactating animals.
36	19.12.2024	General management and feeding practices of dry animals, bulls, and working animals.
37	23.12.2024	Draught ability of cattle and buffaloes.
38	24.12.2024	Raising of buffalo males for meat production
39	26.12.2024	Routine animal farm operations and labour management
40	30.12.2024	Animal farm accounts and records.
41	31.12.2024	Methods of milking and precautions. Factors affecting the quality and quantity of milk production.
42	01.01.2025	Clean milk production.
43	01.01.2025	Breeds of sheep and goat and their descriptions. Important economic traits for meat, milk, and fibre.
44	02.01.2025	General management and feeding practices during different stages of growth, development, and production [milk, meat, and wool)
45	07.01.2025	Breeding schedule and management of ram and buck. Weaning and fattening of lambs and kids

#### **Unit-4 (Zoo Animals Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
46	08.01.2025	Taxonomy of important wild zoo animals.
47	09.01.2025	Taxonomy of important wild zoo animals.
48	13.01.2025	Status and conservation practices of wildlife in India.
49	14.01.2025	Basic principles of habitat and housing of various classes of wild zoo animals.
50	15.01.2025	Size and space requirement (dimension) of cubicles, enclosures of important wild zoo animals.
51	16.01.2025	Management of livestock in fringe areas, in and surrounding the breeding areas.
52	20.01.2025	Feeding habits of captive animals.
53	21.01.2025	Feeds and feeding schedules of captive animals.
54	22.01.2025	Restraining, capturing, handling, and physical examination of captive animals.
55	27.01.2025	Classification of zoos, general management practices of sanctuaries, national parks, etc.
56	28.01.2025	Acts and Rules related to captive animals.
57	29.01.2025	National organizations and institutions interlinked to captive animals role and functioning.
58	30.01.2025	International organizations and institutions interlinked to captive animals role and functioning

### Unit-5 (Animal Welfare)

S No	Date	Topics
59	03.02.2025	Definition of animal welfare and ethics. Human and animal welfare in relation to ecosystem and environmental factors.
60	05.02.2025	Role of veterinarians in animal welfare
61	06.02.2025	List of Animal welfare organizations. Animal Welfare Board of India: their role, functions, and current status.
62	10.02.2025	Rules, regulations, laws on animal welfare. Prevention of Cruelty to Animals (PCA) Act, 1960 (59 of 1960)
63	11.02.2025	Role and function of the Committee for the Purpose of Controlling and Supervising Experiments in Animals (CPCSEA).
64	12.02.2025	Protection of wildlife in nature and captivity.
65	13.02.2025	Protection and welfare of performing animals.
66	17.02.2025	Welfare of animals during transportation.
67	18.02.2025	Animal welfare in commercial livestock farming practices.
68	19.02.2025	Protection and welfare of working animals.
69	20.02.2025	Pet and companion animal welfare.
70	24.02.2025	Animal welfare during natural calamities and disaster management.
71	25.02.2025	Legal duties of veterinarians, Common offences against animals, and laws related to these offences.
72	27.02.2025	Provincial and Central Acts relating to animals. Laws relating to offences affecting Public Health.
73	03.03.2025	Livestock Importation Act: Evidence, liability, and insurance. Code of Conduct and Ethics for veterinarians, the Regulations made under the Act.

### Unit-6 (Poultry Production Management)

S No	Date	Topics
74	04.03.2025	Indian poultry industry- A Brief outline of the different segments of poultry statistics.
75	05.03.2025	Classification of poultry with respect to production characters, age, and standards.
76	06.03.2025	Production characters of other avian species
77	10.03.2025	Description of indigenous fowls and their value in rural farming. Specific strains developed for rural poultry production; their acceptability and importance in the rural ecosystem

78	11.03.2025	Brooding management - Types of brooders – Preparation of the shed - Importance of environmental factors.
79	12.03.2025	Housing -Types of poultry houses, space requirements. Recent advances in housing systems and rearing systems.
80	15.03.2025	Scavenging system of management Low-input technology -Backyard and semi-intensive units; their management and economic achievements.
81	17.03.2025	Deep litter management- control of litter-borne diseases and recycling of litter
82	18.03.2025	Cage management- Different types; Advantages and disadvantages.
83	19.03.2025	Management of growers
84	24.03.2025	Management of layers.
85	25.03.2025	Management of broilers
86	26.03.2025	Management of breeders.
87	31.03.2025	Stress management
88	01.04.2025	Feeding management-Classification of nutrients
89	02.04.2025	Nutrient requirements and feed formulations.
90	03.04.2025	Feeding systems-Feed restrictions- phase feeding - Additives and supplements. Water management.
91	07.04.2025	Breeding systems and methods of mating. Selection and culling
92	08.04.2025	Breeding for specific characters and for hybrid chicken production and Poultry judging.
93	15.04.2025	Egg structure - Physical and chemical composition.
94	16.04.2025	Biosecurity and principles of disease prevention and management
95	17.04.2025	Health care for common poultry diseases: Metabolic and Deficiency diseases
96	21.04.2025	Health care for common poultry diseases: Bacterial and viral diseases, Coccidiosis
97	22.04.2025	General principles of poultry medication and vaccination.

### Unit-7 (Diversified Poultry Production and Hatchery Management)

S No	Date	Topics
98	23.04.2025	Principles of incubation, Hatchery management practices.
99	24.04.2025	Factors affecting fertility and hatchability.
100	28.04.2025	Selection and care of hatching eggs and Hatchery hygiene.
101	30.04.2025	Candling, sexing, grading, packing, and disposal of hatchery waste.
102	01.05.2025	Economics of hatchery business, Troubleshooting hatchery failures- Computer applications in hatchery management.
103	05.05.2025	Poultry waste management, Pollution, and environmental issues.
104	06.05.2025	Organic and hill farming.
105	07.05.2025	Mixed or integrated poultry farming, Vertical & horizontal integration in commercial poultry production - Contract farming.
106	08.05.2025	Export and import of poultry produce and marketing.
107	12.05.2025	Management of Ducks.
108	13.05.2025	Management of Japanese quails.

<b>109</b>	14.05.2025	Management of Turkeys.
<b>110</b>	15.05.2025	Management of Geese and Guinea fowls

### **Unit-8 (Laboratory/Rabbit/Pet Animal Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>111</b>	19.05.2025	Importance and selection of laboratory animals for research.
<b>112</b>	20.05.2025	Care and housing standards of mice, rats, hamsters, guinea pigs.
<b>113</b>	21.05.2025	General considerations on feeding and breeding of laboratory animals.
<b>114</b>	22.05.2025	Concept of production of specific pathogen-free and germ-free laboratory animals.
<b>115</b>	26.05.2025	Scope of rabbit farming in the country, breeds, and their distributions in India. Limitations of rabbit animal production. Selection, care, and management of breeding stock for commercial purposes.
<b>116</b>	27.05.2025	Identification, care, and management of kindling animals. Care of newborn, growing stock.
<b>117</b>	28.05.2025	Breeding and selection techniques for optimal production of rabbits.
<b>118</b>	02.06.2025	Feeds and feeding for rabbit production.
<b>119</b>	03.06.2025	Hygienic care and Housing for rabbit production. Disposal, utilization, and recycling of waste, etc.
<b>120</b>	04.06.2025	Preparing projects for micro (Backyard), mini, and major rabbit farms.
<b>121</b>	05.06.2025	Important breeds of dogs, cats, and pet birds.
<b>122</b>	09.06.2025	Feeding of dogs, cats, and pet birds.
<b>123</b>	10.06.2025	Dog show: preparation for the show, kennel clubs, and important characteristics for judgment.
<b>124</b>	11.06.2025	Utility of dogs: guarding, defense, patrolling, riot control, scouting, espionage.
<b>125</b>	12.06.2025	Utility of dogs: mine detection, tracking, guiding, hunting. races, retrieving, rescue, and other uses.

### **Unit- 9 (Swine/Equine/Camel, Yak, and Mithun Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>126</b>	16.06.2025	Introduction and scope of swine farming in the country. Demography of the swine population.
<b>127</b>	17.06.2025	Selection and breeding techniques in swine. Important breeds (exotic and indigenous) & their characteristics.
<b>128</b>	18.06.2025	Housing and feeding of swine.
<b>129</b>	19.06.2025	Management of different categories of swine for optimal production: breeding and pregnant sows; sows at farrowing and after farrowing.
<b>130</b>	23.06.2025	Management of different categories of swine for optimal production: piglets, growing stock, lactating sows, and feedlot stock.
<b>131</b>	24.06.2025	Equine population of India. Horses, donkeys, and mules and their utility.

<b>132</b>	25.06.2025	Colors, and markings. Identification of breeds of horses
<b>133</b>	26.06.2025	Dentition & ageing of horses. Care and routine management of equines, including grooming, saddling, and exercise.
<b>134</b>	30.06.2025	Stable and its management. Vices of horses. Foot care and shoeing care of horses.
<b>135</b>	01.07.2025	Feeding routine for horses, donkeys, and mules. Care of the stallion.
<b>136</b>	02.07.2025	Mating of horses, brood mare, and its care. Foaling and care of newborn.
<b>137</b>	03.07.2025	Breeding mules. Care of race horses and preparing horses for show. Doping and its detection. Colic and its prevention.
<b>138</b>	07.07.2025	Common breeds of camel in India and their utility, peculiarities of camel. Feeding schedule of camel, rutting symptoms in camel.
<b>139</b>	08.07.2025	Vices of camel. Care of breeding in camels, pregnancy, and parturition of camels
<b>140</b>	09.07.2025	Population statistics and utility, peculiarities of yak. Feeding and breeding of Mithun or Yaks. Yak cattle crossing, hybrids from Mithun or Yaks, and their adaptation to high altitude, milk composition of Mithun or Yaks.
<b>141</b>	15.07.2025	Revision class (Unit 1)
<b>142</b>	17.07.2025	Revision class (Unit 2)
<b>143</b>	21.07.2025	Revision class (Unit 3)
<b>144</b>	23.07.2025	Revision class (Unit 4)
<b>145</b>	25.07.2025	Revision class (Unit 5)
<b>146</b>	28.07.2025	Revision class (Unit 6)
<b>147</b>	24.07.2025	Revision class (Unit 6)
<b>148</b>	30.07.2025	Revision class (Unit 7)
<b>149</b>	01.08.2025	Revision class (Unit 8)
<b>150</b>	04.08.2025	Revision class (Unit 9)
<b>151</b>	06.07.2025	Revision class (Unit 1&2)
<b>152</b>	08.08.2025	Revision class (Unit 3&4)
<b>153</b>	11.08.2025	Revision class (Unit 5&7)
<b>154</b>	13.08.2025	Revision class (Unit 6)
<b>155</b>	18.08.2025	Revision class (Unit 8&9)
<b>156</b>	20.08.2025	Revision class (Unit 1,2&3)
<b>157</b>	22.08.2025	Revision class (Unit 4&5)
<b>158</b>	25.08.2025	Revision class (Unit 6&7)
<b>159</b>	27.08.2025	Revision class (Unit 8&9)
<b>160</b>	01.08.2025	Revision class (Unit 1,2,3 & 4)
<b>161</b>	03.08.2025	Revision class (Unit 5&6)
<b>162</b>	04.08.2025	Revision class (Unit 7, 8 & 9)
<b>163</b>	06.08.2025	All Units

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**B.V.Sc. & A.H. – 1<sup>st</sup> Year**

**LIVESTOCK PRODUCTION MANAGEMENT**

**Credit Hrs. (4+2) w.e.f. 14/10/2024**

**Lecture Duration: Two hours**

**First Professional B.V.Sc. & A.H.**

**Name of teachers: Dr. M. V. Dhumal, Dr. Ravikala Kotikalapudi,**

**Dr. Mugdha Lele, Dr. Haleema H.**

**Unit – 1 (General Livestock Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>1</b>	Batch-D 14.10.2024 Batch-A 15.10.2024 Batch-B 16.10.2024 Batch-C 17.10.2024	General introduction of the Institute animal farm
<b>2</b>	Batch-D 18.10.2024 Batch-A 19.10.2024 Batch-B 18.10.2024 Batch-C 19.12.2024	Identification of common tools used on animal farm
<b>3</b>	Batch-D 21.10.2024 Batch-A 22.10.2024 Batch-B 23.10.2024 Batch-C 24.10.2024	Familiarization with body points of animals: Cattle & Buffalo
<b>4</b>	Batch-D 25.10.2024 Batch-A 26.10.2024 Batch-B 25.10.2024 Batch-C 26.10.2024	Familiarization of body points of animals: Sheep, Goat, Pig & Horse
<b>5</b>	Batch-D 11.11.2024 Batch-A 12.11.2024 Batch-B 13.11.2024 Batch-C 14.11.2024	Methods of Identification (marking, tattooing, branding, tagging & electronic chip under pre empetive analgesia)
<b>6</b>	Batch-D 08.11.2024 Batch-A 16.11.2024 Batch-B 08.11.2024 Batch-C 16.11.2024	Use of rope for knot & halter making.
<b>7</b>	Batch-D 18.11.2024 Batch-A 19.11.2024 Batch-B 20.11.2024 Batch-C 21.11.2024	Dentition & ageing of animals: Cattle & Buffalo
<b>8</b>	Batch-D 22.11.2024 Batch-A 23.11.2024 Batch-B 22.11.2024	Dentition & ageing of animals: Sheep, Goat, Pig, & Horse

	Batch-C 23.11.2024	
<b>9</b>	Batch-D 25.11.2024 Batch-A 26.11.2024 Batch-B 27.11.2024 Batch-C 28.11.2024	Preparation of animals for show.
<b>10</b>	Batch-D 29.11.2024 Batch-A 30.11.2024 Batch-B 29.11.2024 Batch-C 30.11.2024	Judging.
<b>11</b>	Batch-D 02.12.2024 Batch-A 03.12.2024 Batch-B 04.12.2024 Batch-C 05.12.2024	Selection and culling of animals.
<b>12</b>	Batch-D 06.12.2024 Batch-A 07.12.2024 Batch-B 06.12.2024 Batch-C 07.12.2024	Preparation of project proposal: Cattle & Buffalo
<b>13</b>	Batch-D 09.12.2024 Batch-A 10.12.2024 Batch-B 11.12.2024 Batch-C 12.12.2024	Preparation of project proposal: Sheep & Goat

### **Unit- 2 (Fodder Production and Conservation)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>14</b>	Batch-D 13.12.2024 Batch-A 14.12.2024 Batch-B 13.12.2024 Batch-C 14.12.2024	Visit to the fodder farm. Familiarization with the various types of fodders in the state and India.
<b>15</b>	Batch-D 16.12.2024 Batch-A 17.12.2024 Batch-B 18.12.2024 Batch-C 19.12.2024	Familiarization with various fertilizers and manures
<b>16</b>	Batch-D 20.12.2024 Batch-A 21.12.2024 Batch-B 20.12.2024 Batch-C 21.12.2024	Collection, preservation, and storage of feed and fodder
<b>17</b>	Batch-D 23.12.2024 Batch-A 24.12.2024 Batch-B 27.12.2024 Batch-C 26.12.2024	Damages or loss during transport and storage; methods to prevent them
<b>18</b>	Batch-D 27.12.2024 Batch-A 28.12.2024 Batch-B 01.01.2025	Cost of calculations of fodder production.

	Batch-C 28.12.2024	
<b>19</b>	Batch-D 30.12.2024 Batch-A 31.12.2024 Batch-B 03.01.2025 Batch-C 04.01.2025	Livestock waste utilization and recycling.

### Unit- 3 (Livestock Production Management- Ruminants)

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>20</b>	Batch-D 10.01.2025 Batch-A 07.01.2025 Batch-B 08.01.2025 Batch-C 09.01.2025	Layout plans for different livestock houses
<b>21</b>	Batch-D 13.01.2025 Batch-A 11.01.2025 Batch-B 10.01.2025 Batch-C 11.01.2025	Visit to different animal farms and Identification of various breeds of cattle, buffalo, sheep, and Goat
<b>22</b>	Batch-D 17.01.2025 Batch-A 14.01.2025 Batch-B 15.01.2025 Batch-C 16.01.2025	Humane handling and restraining of cattle, buffalo, sheep, and Goat
<b>23</b>	Batch-D 20.01.2025 Batch-A 21.01.2025 Batch-B 22.01.2025 Batch-C 23.01.2025	Clipping, shearing, dipping, spraying, and spotting sick animals.
<b>24</b>	Batch-D 24.01.2025 Batch-A 25.01.2025 Batch-B 24.01.2025 Batch-C 25.01.2025	Determination of body weight using different measurements.
<b>25</b>	Batch-D 27.01.2025 Batch-A 28.01.2025 Batch-B 29.01.2025 Batch-C 30.01.2025	Familiarization with routine cattle, buffalo, sheep, and goat farm operations
<b>26</b>	Batch-D 31.01.2025 Batch-A 01.02.2025 Batch-B 31.01.2025 Batch-C 01.02.2025	Milking of dairy animals. Shearing of sheep.
<b>27</b>	Batch-D 03.02.2025 Batch-A 08.02.2025 Batch-B 05.02.2025 Batch-C 06.02.2025	Training of breeding males

<b>28</b>	Batch-D 07.02.2025 Batch-A 11.02.2025 Batch-B 07.02.2025 Batch-C 08.02.2025	Detection of heat. Identification and care of pregnant animals
<b>29</b>	Batch-D 10.02.2025 Batch-A 15.02.2025 Batch-B 12.02.2025 Batch-C 13.02.2025	Care of neonatal and young stock
<b>30</b>	Batch-D 14.02.2025 Batch-A 18.02.2025 Batch-B 14.02.2025 Batch-C 15.02.2025	Economics of dairy farm
<b>31</b>	Batch-D 17.02.2025 Batch-A 22.02.2025 Batch-B 19.02.2025 Batch-C 20.02.2025	Economics of sheep or goat farm

#### **Unit- 4 (Zoo Animals Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>32</b>	Batch-D 21.02.2025 Batch-A 25.02.2025 Batch-B 21.02.2025 Batch-C 22.02.2025	Visit to nearby wildlife sanctuary, captive animals centres to study care and management of these animals.
<b>33</b>	Batch-D 03.03.2025 Batch-A 04.03.2025 Batch-B 05.03.2025 Batch-C 06.03.2025	To study housing of captive animals.
<b>34</b>	Batch-D 07.03.2025 Batch-A 08.03.2025 Batch-B 07.03.2025 Batch-C 08.03.2025	To study feeds and feeding schedules of captive animals.
<b>35</b>	Batch-D 10.03.2025 Batch-A 11.03.2025 Batch-B 12.03.2025 Batch-C 15.03.2025	Hygienic preparation, preservation, and storage of feeds of captive animals.
<b>36</b>	Batch-D 17.03.2025 Batch-A 15.03.2025 Batch-B 19.03.2025 Batch-C 20.03.2025	Familiarization about restraining and handling captive animals.
<b>37</b>	Batch-D 21.03.2025 Batch-A 22.03.2025 Batch-B 21.03.2025 Batch-C 22.03.2025	Physical examination of captive animals.

### Unit- 5 (Poultry Production Management)

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>38</b>	Batch-D 24.03.2025 Batch-A 25.03.2025 Batch-B 26.03.2025 Batch-C 27.03.2025	Common breeds of poultry, different classes.
<b>39</b>	Batch-D 28.03.2025 Batch-A 29.03.2025 Batch-B 28.03.2025 Batch-C 29.03.2025	Indian chickens and other avian species breeds.
<b>40</b>	Batch-D 31.03.2025 Batch-A 01.04.2025 Batch-B 02.04.2025 Batch-C 03.04.2025	Digestive and respiratory system of chicken, Male and female reproductive system-Quality changes in egg during storage.
<b>41</b>	Batch-D 04.04.2025 Batch-A 05.04.2025 Batch-B 04.04.2025 Batch-C 05.04.2025	Economic traits of broilers. Economic traits of egg-type chicken and breeders.
<b>42</b>	Batch-D 07.04.2025 Batch-A 08.04.2025 Batch-B 09.04.2025 Batch-C 12.04.2025	AI in poultry.
<b>43</b>	Batch-D 21.04.2025 Batch-A 12.04.2025 Batch-B 16.04.2025 Batch-C 17.04.2025	Housing and design of a poultry farm.
<b>44</b>	Batch-D 25.04.2025 Batch-A 19.04.2025 Batch-B 23.04.2025 Batch-C 19.04.2025	Poultry farm equipment and their classification.
<b>45</b>	Batch-D 28.04.2025 Batch-A 22.04.2025 Batch-B 26.04.2025 Batch-C 24.04.2025	Brooding arrangement in broiler farms.
<b>46</b>	Batch-D 02.05.2025 Batch-A 26.04.2025 Batch-B 30.04.2025 Batch-C 26.04.2025	Poultry feed ingredients and its quality assessment. Poultry feed preparations.
<b>47</b>	Batch-D 05.05.2025 Batch-A 03.05.2025 Batch-B 02.05.2025 Batch-C 01.05.2025	Calculation of different economic indices of broiler farm.
<b>48</b>	Batch-D 09.05.2025 Batch-A 06.05.2025	Calculation of economic indices of layer farm.

	Batch-B 07.05.2025 Batch-C 03.05.2025	
<b>49</b>	Batch-D 12.05.2025 Batch-A 10.05.2025 Batch-B 09.05.2025 Batch-C 08.05.2025	Fundamentals in poultry post-mortem examination for sample collection. Collection and dispatch of samples for PM examination.
<b>50</b>	Batch-D 16.05.2025 Batch-A 13.05.2025 Batch-B 14.05.2025 Batch-C 10.05.2025	Management during Summer, Winter, and Rainy seasons. Automization in poultry farms (EC house).

### **Unit- 6 (Incubation and Hatchery Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>51</b>	Batch-D 19.05.2025 Batch-A 17.05.2025 Batch-B 16.05.2025 Batch-C 15.05.2025	Hatchery layout and design.
<b>52</b>	Batch-D 23.05.2025 Batch-A 20.05.2025 Batch-B 21.05.2025 Batch-C 17.05.2025	Project report for establishing a broiler farm.
<b>53</b>	Batch-D 26.05.2025 Batch-A 24.05.2025 Batch-B 23.05.2025 Batch-C 22.05.2025	Project report for establishing a layer farm.
<b>54</b>	Batch-D 30.05.2025 Batch-A 27.05.2025 Batch-B 28.05.2025 Batch-C 24.05.2025	Project report for establishing a breeder farm.
<b>55</b>	Batch-D 02.06.2025 Batch-A 31.05.2025 Batch-B 30.05.2025 Batch-C 31.05.2025	Visit to commercial poultry farms or hatchery or feed mill.
<b>56</b>	Batch-D 06.06.2025 Batch-A 03.06.2025 Batch-B 04.06.2025 Batch-C 05.06.2025	Visit to farms of other avian species.

### **Unit- 7 (Laboratory/Rabbit/Pet Animal Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>57</b>	Batch-D 09.06.2025 Batch-A 10.06.2025 Batch-B 06.06.2025	Identification of body parts and handling, weighing, sexing, and weaning of laboratory animals. Marking

	Batch-C 12.06.2025	for identification of laboratory animals for purpose of their individual recording.
<b>58</b>	Batch-D 13.06.2025 Batch-A 14.06.2025 Batch-B 11.06.2025 Batch-C 14.06.2025	Computation, feeding schedule of balanced diet for high breeding efficiency of laboratory animals. Maintenance of breeding records of laboratory animals
<b>59</b>	Batch-D 16.06.2025 Batch-A 17.06.2025 Batch-B 13.06.2025 Batch-C 19.06.2025	Prophylactic measures against common diseases of laboratory animals. Hygienic care and control of parasites.
<b>60</b>	Batch-D 20.06.2025 Batch-A 21.06.2025 Batch-B 18.06.2025 Batch-C 21.06.2025	Shearing of rabbit. Feeding and Housing requirement and equipments for rabbits. Projects report for establishing of rabbit farm.
<b>61</b>	Batch-D 23.06.2025 Batch-A 24.06.2025 Batch-B 20.06.2025 Batch-C 26.06.2025	Handling and restraining of dog, cat and pet bird and equipment for pet animals and birds.
<b>62</b>	Batch-D 27.06.2025 Batch-A 28.06.2025 Batch-B 25.06.2025 Batch-C 28.06.2025	Brushing or grooming and bathing of dogs and cats. Nail and tooth care, clipping of hairs for show purpose.
<b>63</b>	Batch-D 07.07.2025 Batch-A 08.07.2025 Batch-B 09.07.2025 Batch-C 10.07.2025	Care of pups, kitten and weaning.

#### **Unit- 8 (Swine/Equine/Camel, Yak, and Mithun Production Management)**

<b>S No</b>	<b>Date</b>	<b>Topics</b>
<b>64</b>	Batch-D 11.07.2025 Batch-A 12.07.2025 Batch-B 11.07.2025 Batch-C 12.07.2025	Handling and restraining of swine, equine and camels.
<b>65</b>	Batch-D 21.07.2025 Batch-A 22.07.2025 Batch-B 23.07.2025 Batch-C 24.07.2025	Identification of pregnant animals, care during pregnancy. isolation and care of farrowing sows and piglets.
<b>66</b>	Batch-D 25.07.2025 Batch-A 26.07.2025 Batch-B 25.07.2025 Batch-C 26.07.2025	Preparation of swine and equine for show and judging.
<b>67</b>	Batch-D 28.07.2025 Batch-A 29.07.2025	Economics of pig farming.

	Batch-B 30.07.2025 Batch-C 31.07.2025	
<b>68</b>	Batch-D 01.08.2025 Batch-A 02.08.2025 Batch-B 01.08.2025 Batch-C 02.08.2025	Routine inspection, tooth care and Vaccination schedule.
<b>69</b>	Batch-D 04.08.2025 Batch-A 05.08.2025 Batch-B 06.08.2025 Batch-C 07.08.2025	Hose riding, walking, trotting cantering and galloping.
<b>70</b>	Batch-D 08.08.2025 Batch-A 09.08.2025 Batch-B 08.08.2025 Batch-C 09.08.2025	Layout plans for sty and stables.
<b>71</b>	Batch-D 18.08.2025 Batch-A 19.08.2025 Batch-B 20.08.2025 Batch-C 21.08.2025	Revision of unit 1&2
<b>72</b>	Batch-D 22.08.2025 Batch-A 23.08.2025 Batch-B 22.08.2025 Batch-C 23.08.2025	Revision of unit 3&4
<b>73</b>	Batch-D 25.08.2025 Batch-A 26.08.2025 Batch-B 27.08.2025 Batch-C 28.08.2025	Revision of unit 5&6
<b>74</b>	Batch-D 29.08.2025 Batch-A 30.08.2025 Batch-B 29.08.2025 Batch-C 30.08.2025	Revision of unit 7&8