



**THE ADMINISTRATION OF
UNION TERRITORY OF LADAKH**

लद्दाख संघ शासित प्रदेश का प्रशासन

**Department of Animal / Sheep Husbandry and
Fisheries**

पशु/भेड़पालन एवं मत्स्य पालन विभाग

F. No.: A-33/8/2024-ASH&F SECTION

ई-मेल/email:

pstocomsecy123@gmail.com

यूटी सचिवालय, लेह/UT Secretariat, Leh,

Dated: 14.01.2025

Subject: Guidelines and Syllabus for Departmental Training at Stock Assistant Training Institute, Leh-Regarding.

Reference: Director, Sheep Husbandry, Department of ASH&F, UT of Ladakh vide F. No.: M/1996/2024-SH (SEC).

Order No.: 57 -Com. Secy. (ASH&F) UTL of 2025

Dated: 14.01.2025

Sanction is hereby accorded to Departmental Training for in-service Stock Assistants, Veterinary Pharmacists, ASM, and Attendants who have been appointed/recruited into the service, are on probation, and have not previously undergone training, as per the following guidelines:

A. Application:

- i. These guidelines shall be called "**Union Territory of Ladakh, Animal / Sheep Husbandry Department Guidelines**" for the training of Stock Assistants, Veterinary Pharmacists, ASMs, and Attendants, and shall come into force from the date of issuance of this order.
- ii. The Departmental training shall be conducted at the Stock Assistants Training Institute, established by the Government for the purpose.
- iii. The name of the course shall be "**Stock Assistant / Veterinary Pharmacist Training Course**". The duration of training for each course shall be one year and training session shall commence from the 1st of May every year.
- iv. These guidelines shall be applicable for the departmental training of in-service Stock Assistants, Veterinary Pharmacists, ASMs, and Attendants.

B. Types of Training Courses:

The following types of Training courses shall be conducted by the training schools:

- a. Stock Assistant / Veterinary Pharmacist Training Course.

C. Admission and eligibility:

- i. All in-service Stock Assistants, Veterinary Pharmacists, and newly appointed Stock Assistants, Veterinary Pharmacists, ASMs, and Attendants shall be admitted to the training courses strictly as per seniority on the orders of the respective Director, Animal

- / Sheep Husbandry, subject to fulfillment of minimum qualification prescribed for these posts as per (Sub-ordinate) Service Recruitment Rules.
- ii. The intake capacity of each training school shall not be more than 50, based on eligibility criteria.
 - a. The trainees shall continue to draw their salary from their original places of posting on the production of attendance certificates from the Principal Training School concerned.
 - b. The trainees shall remain under the administrative control of the Principal concerned during the training period and shall continue to be governed by service rules as may be applicable to them in vogue.
 - iii. The trainee shall serve the Department for at least 3 years after the completion of the training. However, if they leave the Department before completing 3 years, they will be required to refund the entire salary received during the training. The trainee must furnish an affidavit/undertaking to this effect at the time of joining the training institute.
 - iv. First Priority for the training shall be given to the candidates selected as Stock Assistants and Veterinary Pharmacists through SSC / LSSSB / SSRB and the remaining seats shall be filled from the Departmental candidates and an equal percentage of candidates shall be selected from each district and also from Divisional cadre posts based on a total number of ASMs and Attendants.

D. Examination and Curriculum:

- a. Completion of training course examination shall be conducted at respective training schools on such dates as may be fixed by the Committee comprising of Joint Director, Sheep Husbandry Department, Joint Director, Animal Husbandry Department, Officer In-charge, Chief Animal Husbandry Officer Leh/Kargil, District Sheep Husbandry Officer, Leh/Kargil headed by the Director, Animal / Sheep Husbandry Department, UT of Ladakh. This committee shall nominate invigilators for the smooth conduct of the examination and setting up of question papers for midterm, final, and practical examinations. The committee shall be personally responsible for maintaining secrecy, sanctity, and conduct of the entire examination process.
- b. Honorarium to the guest faculty and invigilator staff deployed for mid-term and final theory examinations wherever required, shall be paid as per rates indicated below out of funds available with the school for the purpose. In practical examinations, the Superintendent shall be assisted by 3 Invigilators, 1 Assistant and 2 Attendants.
 - i. Honorarium @ Rs 200/- per lecture to Department Resource Persons, except the staff permanently posted/deputed to the Training School.
 - ii. Honorarium to outside expert @ Rs 500/- per lecture to outside employees.
 - iii. Superintendent of Dy. Director cadre except Principal and Officers who have been associated with class work during the training programme, @ Rs 300/= per paper.
 - iv. Invigilator (two) -Rs -200/- each per paper. (One invigilator for every thirty students or fraction thereof).
 - v. Supporting Assistants @ Rs 150/- per paper (One per examination hall).
 - vi. Attendants @Rs 100/- (One per examination Room)
 - vii. Paper setting @ Rs 200/- per subject
 - viii. Paper evaluation Rs30/- per subject.

c. Provision of Photo copies and revaluation: Candidates can get photo copies of answer sheets by applying within 10 days after the declaration of results against the charges of Rs.100 per paper. Candidates desiring re-valuation of their answer sheets can apply within 15 days from the declaration of results against the charges of Rs 250 per paper, beyond which no such request shall be entertained.

- i. Supplementary examination for failed candidates shall be conducted two months after declaration of results of regular examination after 2nd Semester during the academic session.
- ii. A Marks Card shall be issued by the Officer Incharge of the Institute, whereas diploma certificates to the successful candidate shall be issued by the Director Animal / Sheep Husbandry, Leh.
- iii. Candidates found guilty of unfair means, misconduct, deliberate disobedience of rules or candidates who reportedly refuse to conform to the procedure prescribed for the conduct of Training may be discharged back to the District Organization from where they have been drawn. A probationer recruited directly who is discharged or a departmental candidate reverted to the Department under this rule shall have to refund the entire charges of training course and any other expenses which the Government may have incurred in connection with his/her Training before discharging or reversion as specified in the agreement. This will be initiated without prejudice to any other disciplinary action which may be initiated in case of trainees already in service as per relevant applicable service rules.

E. Syllabus:

The detailed syllabi for Departmental training shall be as given in **Annexure (A)** to this Order. The Administration in consultation with the Director, Animal Husbandry, Leh / Director, Sheep Husbandry, Leh may from time to time revise the syllabi as may be required.

By Order of the Administration of UT of Ladakh.

Sd/-

Dr. Franklin Laltinkhuma, IAS/डॉ. फ्रैंकलिन लालतिनखुमा, आईएएस
Secretary, ASH&F Department/ सचिव, पशु/भेड़पालन एवं मत्स्य पालन विभाग
UT of Ladakh /केंद्र शासित प्रदेश लद्दाख

Copy to the:

1. Director, Animal Husbandry and Fisheries, UT of Ladakh.
2. Director, Sheep Husbandry Department, UT of Ladakh.
3. Technical Director, NIC, Leh for uploading the order on UT website.
4. Superintendent Archive, Archaeology & Museums, Leh.
5. OSD to Hon'ble Lt. Governor, UT of Ladakh for information of the HLG.
6. OSD to Advisor to Hon'ble Lt. Governor, UT of Ladakh for information of Advisor.
7. Office Record.

Amir Suhail, (JKAS)/ आमिर सुहैल, (जेकेएस)

Under Secretary/ अवर सचिव

ASH&F Department / पशु/भेड़पालन एवं मत्स्य पालन विभाग
UT of Ladakh / केंद्र शासित प्रदेश लद्दाख

**ANNEXURE-(A) TO GOVERNMENT ORDER NO. 57 COM. SECY. (ASH&F) UTL OF
2025 DATED: 14.01.2025.**

The detailed Syllabus for the training course shall be as under:

FIRST SEMESTER	Name of the Subject	Marks	Total Marks
Paper -I Animal & Sheep Husbandry Extension	ANIMAL & SHEEP HUSBANDRY EXTENSION: <ol style="list-style-type: none"> 1. General Introduction. 2. Principles and objectives of veterinary & Animal Husbandry extension. 3. Qualities of extension worker. 4. Rural welfare and community development. 5. Role of extension worker in Sheep Husbandry Development and Animal Husbandry. 6. Different extension methods & techniques. 	100	100
Paper -II Anatomy & Physiology of livestock & poultry	ANATOMY: <ol style="list-style-type: none"> 1. Common terminologies in Anatomy. 2. Skeleton and its functions. 3. Types of bones, name of bones of domestic animals, chicken, horse, and dog. 4. Joints/types and functions of various joints. 5. Digestive, Respiratory, Circulatory, excretory, Nervous, and reproductive system. 	50	100
	PHYSIOLOGY: <ol style="list-style-type: none"> 1. Common Terminologies in Physiology. 2. Functional anatomy of Digestive, Respiratory, Circulatory, Nervous, Excretory, & Reproductive System. 3. Clinical relevance of physiological parameters. 4. Bloods and its components & function. 	50	
Paper -III Basic Animal & Sheep Husbandry, &	Basic Animal & Sheep Husbandry: <ol style="list-style-type: none"> 1. Introduction to Animal and Sheep Husbandry 2. Common Terminologies & definitions. 3. Body points of domestic animals, horses, dogs, and cats. 		

<p>Animal Nutrition</p>	<ol style="list-style-type: none"> 4. Common breeds of cattle, horses, sheep, goat, camel, and poultry in Ladakh. 5. Livestock population as per the latest census. 6. Common sheep, cattle operations. 7. Housing and routine management practices. 8. Disposal of Carcass, dung, urine, litter & other waste products of livestock. 9. Departmental income generation schemes. 10. Dentition & Ageing in domestic animals. 11. Record maintenance. 	<p style="text-align: center;">50</p>	
	<p>ANIMAL NUTRITION:</p> <ol style="list-style-type: none"> 1. Common Terminologies & Definitions in Animal Nutrition. 2. Natural grasses & fodder plants available in Ladakh. 3. Nutritional value of conventional Feed & Fodders. 4. Seasonal Fodder crops cultivated for domestic animals. 5. Types of feeds and fodders. 6. Concept of Feeding management in different categories of animals, depending upon the physiological state. 7. Digestion, Absorption & metabolism in ruminants. 8. Introduction to ration balancing program. 9. Importance of vitamins and deficiency symptoms. 10. Harvesting, Stacking, and storage of fodder. 11. Silage making, feed and fodder fortification, molasses, urea treatment. 12. Common Poisonous Grasses and Weeds. 	<p style="text-align: center;">50</p>	<p style="text-align: center;">100</p>
<p>Paper -IV</p> <p>Microbiology & Wool Metrology</p>	<p>MICROBIOLOGY:</p> <ol style="list-style-type: none"> 1. Common Terminologies, Introduction to Veterinary microbiology. 2. General Introduction of Bacteria, 		

	<p>Virus, Fungus, Protozoa, Mycoplasma etc.</p> <p>3. Introduction to Bacterial, Fungal, and Viral diseases in animals.</p> <p>4. Infection and Immunity & its types.</p> <p>5. Disinfection and Sterilization.</p> <p>6. Basic microscopy.</p>	60	100
	<p>WOOL METROLOGY:</p> <p>1. Common Terminologies.</p> <p>2. Description of WoolFiber.</p> <p>3. Importance of shearing, combing. Precaution and method of shearing. Post-shearing care of livestock.</p> <p>4. Grading of wool, different grades of wool.</p> <p>5. Methods & Techniques used in Wool fiber testing.</p> <p>6. Modulation in Wool fiber.</p> <p>7. Scouring of wool & its importance.</p> <p>8. Technological advances in animal fiber testing.</p> <p>9. Marketing of wool.</p>	40	
<p>Paper -V</p> <p>Basics of Veterinary Medicine & Pharmacology</p>	<p>MEDICINE</p> <p>1. Introduction & common terminologies.</p> <p>2. Normal Physiological values in different species. Normal temperature, heart rate, respiration, rumen motility.</p> <p>3. History recording & method of Diagnosis.</p> <p>4. Etiology, Clinical signs, Diagnosis & Treatment of Simple indigestion, Choke, Tympany, Enteritis, Pica, Upper respiratory tract infection, Pneumonia, Conjunctivitis, Otitis, Lameness, Dermatitis</p> <p>5. Basics of Poultry diseases like RKD, Coccidiosis, Avian influenza, IBD, CRD, and Colibacillis.</p> <p>6. Drug delivery system.</p>	50	100
	<p>PHARMACOLOGY</p> <p>1. Basic terms & concept of Pharmacology.</p> <p>2. Disinfectant, Antiseptic, Laxative, Antihistaminics, Anthelminthis,</p>		

	<p>Expectorants, Diuretics.</p> <ol style="list-style-type: none"> 3. Common Abbreviations. 4. Common drugs used in domestic animals. 5. Common compounds used in Animal & Sheep Husbandry. 6. Different routes of drug administration, Common oral electrolytes & infusions. 7. Basic concept of analgesics, NSAIDS, Glucocorticoid. 8. General Anaesthesia vs Local Anaesthesia. 9. Drug dispensary at District Veterinary Hospital Skara. 	50	
Practical	<ol style="list-style-type: none"> 1. External body parts of different animals, digestive, respiratory, excretory, nervous, circulatory & musculoskeletal system. Identification of breed character of livestock and poultry. 2. Collection, Preservation & dispatch of samples for laboratory examination. 3. Preparation of serum & plasma from blood. 4. Overview of routine farm operations including poultry. 5. Disposal of animal waste. 6. Dentition & Ageing in animals. 7. Handling & restraining of animals. 8. Record keeping. 9. Computation of feed, and Identification of feed and fodder including poisonous plants and weeds. 10. Identification of Agriculture equipment, and seeds. 11. Compost making, Silage making & Stacking of hay. 12. Identification of common lab equipment & practices for transportation of vaccines. 13. Demonstration of shearing & collection, labeling, packing & dispatching & grading of wool. 14. Identification and working of different parts of shearing plant & its accessories. 15. Preservation of Pellet & Fleece. 	100	100

	16. Collection of dead wool. 17. Separation of Fleece, weighing, packing, labelling, dispatching, & grading of wool. 18. Recording of respiration, Pulse, Temperature & ruminal movements. 19. Administration of Drugs through different routes. 20. History recording. 21. Identification of common drugs and their storage. 22. Group discussion & extension techniques to livestock owner. 23. Report writing. 24. Organizing farmer's meets, camps, etc		
SECOND SEMESTER	Name of the Subject	Marks	Total Marks
Paper -I Gynaecology & Obstetrics & SURGERY	GYNAECOLOGY & OBSTETRICS: <ol style="list-style-type: none"> Structure and function of reproductive organs of livestock & poultry. Basic concept of sexual maturity, estrus cycle in cattle, sheep, goats, equines, dogs, and cats. Gestation period in domestic animals, horses, camels, dogs, and cats. Estrus/ heat detection, Pregnancy diagnosis. Reproductive disorders in farm animals. ROP, Prolapse, Pyometra and other reproductive disease. Handling of dystocia. Infertility and its causes in livestock. Overview of STDs and its prevention. Concept of Artificial insemination, Types, Advantages over natural service, Method, Scope, and Status quo in large and small ruminants. 	50	100
	SURGERY: <ol style="list-style-type: none"> Common terminologies, Wound, Ulcer, Abscess, Necrosis, Gangrene, Oedema, Haemorrhage, Tumour, Cyst. Hernia, Dislocation, Fracture, Burns, Asepsis, Anti-Septic, Anesthesia in domestic and wild 	50	

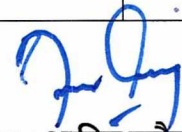
	<p>animals.</p> <ol style="list-style-type: none"> 2. Tennets of Halstead. 3. Surgical instruments & suturing materials. 4. Docking, Entropian, Ectropian, Pizzelrot, Rumen Puncture, Dehorning, Surgical procedures in domestic animals, cattle, horses, sheep, goats, dogs, and cats. 5. Sterilization of Instruments. 6. Surgical management & treatment of wounds, Abscess, Burns, Hemorrhage, Hernia, Fracture, etc. 7. Preparation of animals for minor and major surgical procedures. 		
<p>Paper -II</p> <p>Livestock Production & Management and Animals Genetics & Breeding</p>	<p>Livestock Production & Management:</p> <ol style="list-style-type: none"> 1. Yearly routine activities of Animal / Sheep Husbandry Department. 2. Management of different categories & age groups of livestock. 3. Care & Management of Newborn. 4. Management before, during, and after migration of farm animals. 5. Quarantine & its significance. 6. Cleaning & disinfection of livestock sheds. 7. Balanced ration, composition of ration & scale of ration for various groups of livestock. 8. Care of sick and pregnant animals. 9. Preservation & dispatch of pelts. 10. Record keeping. 11. Routine management practices like grooming, washing, dipping, dosing, shearing, combing, castration, dehorning & debudding. 12. Importance of poultry farming & backyard poultry. 13. Poultry housing and management. 14. Vaccination of livestock & poultry. 	<p>50</p>	<p>100</p>
	<p>Animal Genetics & Breeding:</p> <ol style="list-style-type: none"> 1. Introduction to Animal Genetics & breeding. Common Terminologies. 2. Concept of Selection, Method of Selection. 3. Classification on the basis of economic characters. Systems of breeding. Crossbreeding, Inbreeding, Selective breeding, line 		

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	<p>breeding, outbreeding.</p> <ol style="list-style-type: none"> 4. Natural and Artificial Insemination. 5. Pedigree record keeping. 6. Identification of different generations of cross-breed animals. 7. Techniques & collection of data. 8. Mean, Median, Mode, Percentage, & standard deviation. 9. Tabulations of data & its diagrammatic representation. 10. Procedure & objective of culling. 	50	
Paper -III Pathology & Parasitology	<p>PATHOLOGY:</p> <ol style="list-style-type: none"> 1. General introduction and terminologies of Pathology. 2. Inflammation and its cardinal signs. 3. Collection, Preservation and dispatch of morbid material. 4. Clinical signs & pathological lesion of pneumonia, TRP, Bloat, Black Quarter,CCPP, Johnes disease etc. 5. Important bacterial, fungal, viral, parasitic and toxic pathological conditions in animals. 	50	100
	<p>PARASITOLOGY:</p> <ol style="list-style-type: none"> 1. General introduction and terminologies. 2. Classification, Types of parasites. 3. Introduction of endo and ectoparasites. 4. Economic importance of parasitic disease of livestock and poultry. 5. Disease caused by trematodes, cestodes, protozoa, trematodes and arthropods in livestock. 6. Zoonotic importance of parasitic diseases. 7. Prevention and control of parasitic diseases. 	50	
Paper -IV Preventive Medicine & Toxicology	<p>Preventive medicine:</p> <ol style="list-style-type: none"> 1. Etiology, Symptoms, Diagnosis & Treatment of Pyometra, Brucellosis, Mastitis. 2. Metabolic diseases and their management Symptoms & control of Rickets, Pregnancy Toxemia, Deficiency of Vitamin A, Deficiency of Copper, Cobalt, 		

	<p>Iodine, Selenium & Calcium, etc.</p> <p>3. Etiology symptoms prevention control & treatment of following diseases:</p> <ul style="list-style-type: none"> ❖ John's Disease ❖ Contagious Caprine Pleura Pneumonia (CCPP), Contagious Bovine Pleura Pneumonia (CBPP) ❖ Foot rot ❖ Sheep Pox ❖ Peste-des-Petitis-ruminants(PPR),FMD, Black Quarter ❖ Listeriosis/Gid, Hemorrhagic Septicaemia, Anthrax, Brucellosis, Achinobacillosis, Strangles, Glander. ❖ Common Zoonotic disease, their prevention and precaution measures. 	70	100
	<p>TOXICOLOGY:</p> <ol style="list-style-type: none"> 1. Definition & terminology of Toxicology. 2. Sources of poisoning, Action of poisons. Factors affecting toxicity and treatment of toxicity. Prescription writing. 	30	
<p>Paper -V</p> <p>Introduction To Computer & Its Application and Introduction To Veterinary Jurisprudence</p>	<p>INTRODUCTION TO COMPUTER & ITS APPLICATION:</p> <ol style="list-style-type: none"> 1. Basic of computer including its components. 2. Hardware and software of Computer. 3. Types of memories, Control units. 4. Execution of program. 5. Use of computers in livestock farms and veterinary hospitals. 6. Computer Graphics, Simple programs. 7. Overview of advanced computing and Artificial Intelligence. 	50	100
	<p>Introduction To Veterinary Jurisprudence</p> <ol style="list-style-type: none"> 1. Provision in Indian Penal Code,1860 related to animals. 2. Provincial & Central Act. related to animals. 3. Prevention of cruelty to animals Act,1960 (59 of 1960). 4. Prevention & control of Infectious and Contagious Act. 2009. 	50	
Practical	Practical Training of Stock Assistant Trainees: Semester II	100	100

	<ol style="list-style-type: none"> 1. Identification & handling of various surgical instruments & materials. 2. Dressing of wounds & management of fractures. 3. Sterilization of Laboratory & Surgical equipment. 4. Restraint, casting & control of Animals for various operations. 5. Minor Surgical Operations. 6. Record keeping. 7. Cleaning & disinfection of sheds, compost making. 8. Disaster management. 9. Identification of common parasites. 10. Basic laboratory procedure. 11. Demonstration of Audio/Visual equipment. 12. Preparation of Banners, Pamphlets, Posters etc. 13. Mock seminars and training programmes. 14. Semen collection, processing & storage. 15. Artificial Insemination technique. 16. Cryo preservation, handling of LN2 containers. 17. Standard protocol in AI Laboratory. 18. Preliminary exposure to post-mortem technique and collection of morbid materials. 19. Handling of carcass, smear making, and staining. 		
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Amir Suhail, (JKAS)/ आमिर सुहैल, (जेकेएस)
Under Secretary/ अवर सचिव
ASH&F Department / पशु/भेड़पालन एवं मत्स्य पालन विभाग
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