

QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR AGRICULTURE & ALLIED INDUSTRY

What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding



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Introduction

Qualifications Pack-Veterinary Clinical Assistant

SECTOR: AGRICULTURE AND ALLIED

SUB-SECTOR: AGRICULTURE ALLIED ACTIVITY

OCCUPATION: LIVESTOCK HEALTH MANAGEMENT

REFERENCE ID: AGR /Q4802

ALIGNED TO: NCO-2004/NIL

Veterinary Clinical Assistant: A Veterinary Clinical Assistant is a person who assist a registered veterinarian or work under the supervision of registered veterinarian to provide a set of "Minor Veterinary services" in indoor setting required for a given job role as per the provision of Indian Veterinary Council Act (No.52 of 1984)

Brief Job Description: A Veterinary Clinical Assistant assists veterinarians in veterinary service delivery mostly in indoor setting such as Pet clinics, hospitals organized farms and laboratories. They play role in preventive and curative care, besides other responsibilities related to hospital / practice management, drug dispensing and animal welfare.

Personal Attributes: A Veterinary Clinical Assistant should have a mind for science with a passion for perfection / accuracy. He / she should be good in observation, time management and logical reasoning. Besides being compassionate to animals, he / she should have pleasant personality and knack for communicating with customers.

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Qualifications Pack Code	AGR/Q4802		
Job Role	Veterinary Clinical Assistant		
Credits NSQF	TBD	Version number	1.0
Sector	Agriculture & Allied	Drafted on	09/12/14
Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/14
Occupation	Livestock Health Management	Next review date	23/12/15

Job Role	Veterinary Clinical Assistant (Also called as Veterinary Compounder in West Bengal, India)
Role Description	Assist veterinarians in veterinary service delivery mostly in indoor setting such as Pet clinics, hospitals, organized farms and laboratories.
NSQF level Minimum Educational Qualifications	5
Maximum Educational Qualifications	12 th Standard pass Not applicable
Training	Not Mandatory
Experience	One year of experience in areas such animal handling, customer service is preferable.
Applicable National Occupational Standards (NOS)	Compulsory: <ol style="list-style-type: none"> 1. AGR/N4801 : Controlling / restraining of animals 2. AGR/N4802: Implementing regular preventive animal health care program. 3. AGR/N4803 : Provisional Diagnosis of common animal diseases (including poisoning and injury) 4. AGR/N4804 : Providing curative treatment for common animal diseases. 5. AGR/N4805 : Veterinary first aid 6. AGR/N4816 : Assistance during veterinary surgery in hospital / clinic setting. 7. AGR/N4817 : Providing companion animal care. 8. AGR/N4818 : Assistance in veterinary hospital / clinic management. 9. AGR/N4819 : Conducting common laboratory test 10. AGR/N4811 : Implementation of veterinary public health and other regulatory activities. 11. AGR/N4812 : Implementation of animal breeding services. 12. AGR/N4813 : Assisting in animal welfare, breed conservation and disaster management. 13. AGR/N4814 : Assisting in Livestock farm management. 14. AGR/N4815 :Assisting in veterinary care of wild animals (if required) Optional: Not Applicable
Performance Criteria	As described in the relevant OS units

Definitions

Keywords /Terms	Description
Sector	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub Sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standard	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standard (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualification Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualification Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an Occupational Standard, which is denoted by an 'N'.
Unit title	Unit Title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Knowledge and understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills or Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Vertical	Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry

Acronyms

Scheduled diseases	These are diseases notified under Prevention and Control of Infectious and Contagious Diseases in Animals Act 2009
'One Health' Approach	Collaborative effort of multiple disciplines — working locally, nationally, and globally — to attain optimal health for people, animals and the environment.
Keywords /Terms	Description
TBD	To Be Decided
QP	Qualifications Pack
OS	Occupational Standard
NOS	National Occupational Standard
NSQF	National Skills and Qualification Framework
NVEQF	National Vocational Education and Qualification Framework
OJT	On Job Training

AGR/N4801: Controlling / restraining of animals

National Occupational Standard



Overview

This unit deals with controlling / restraining of animals

AGR/N4801: Controlling / restraining of animals

National Occupational Standard

Unit Code	AGR/N4801
Unit Title (Task)	Controlling / restraining of animals
Description	This OS unit is about controlling and restraining of animals for examination, surgery and administration of drugs.
Scope	<p>This unit/task covers:</p> <p>Various aspects such as understanding of animal behavior and responses, application of safety guidelines and use of tools and equipment.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Understand normal animal behavior , stimulus and responses of handled species (including common laboratory animals)	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. prepare and make the animal to cooperate during handling.</p>
Apply general principles of animal handling and safety guidelines.	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. determine flight zone and point of balance of the animal and approach, hold animal securely and safely.</p> <p>PC3. achieve minimum stress and injury to the animal.</p> <p>PC4. ensure zero accident.</p>
Use of tools and equipment to restrain animals	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. to be able to follow the prescribed procedures related to each tools and equipment.</p>
Understanding of safety issues in the work environment	<p>To be competent, the individual on the job must be able to:</p> <p>PC6. protect oneself from any physical injury arising out of animal handling</p> <p>PC7. use various personal protective materials / equipment.</p> <p>PC8. assess the risk of diseases which can be transmitted from animal to human.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy on health event reporting / record keeping.</p> <p>KA2. understanding of supervisory structure.</p>

AGR/N4801: Controlling / restraining of animals

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basics of animal behavior, possible stimulus and negative responses.</p> <p>KB2. safety guidelines in animal handling.</p> <p>KB3. knowledge of flight zone, point of balance and procedure of holding animal securely and safely.</p> <p>KB4. knowledge related to appropriate use of tools and equipment to restrain animals.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief case report.</p> <p>SA2. fill data sheet / health monitoring proforma.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline / manuals.</p> <p>SA4. keep abreast with the latest knowledge by reading brochures, pamphlets, and other animal behavior and handling related information sheets.</p> <p>SA5. read directives from government / organization / supervising veterinarians.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers</p> <p>SA7. explain farmers / clients on use of tools / equipment in restraining.</p> <p>SA8. give clear suggestions / guidance to farmers / clients.</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to use of techniques / tools and equipment based on animal behavior.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan various procedures.</p>
	Analyzing and investigating
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. investigate and analyze stimuli and animal behavior.</p>

AGR/N4801: Controlling / restraining of animals

NOS Version control

NOS Code	AGR/N4801		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/14
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/14
Occupation	Livestock Health Management	Next review date	23/12/15



AGR/N4802: Implementing regular preventive animal health care program.



National Occupational Standard

Overview

This unit deals with regular preventive animal health care.

AGR/4802: Implementing regular preventive animal health care program.
National Occupational Standard

Unit Code	AGR/N4802
Unit Title (Task)	Implementing regular preventive animal health care program.
Description	This OS unit is about providing preventive animal health care.
Scope	<p>This unit/task covers:</p> <p>Various aspects of common preventive care starting from data gathering and risk management to actual care.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Animal data recording	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. use point of care / field data collection tools (including electronic / mobile based data collection) as per given specifications.</p> <p>PC2. ensure species / population or sample / geographical / specific area coverage for data collection as per given instruction.</p> <p>PC3. regularly collect and submit health, production and breeding data related to attended individual / herd of animals to appropriate authority on time as per given format / criteria.</p>
Risk assessment and identification of preventable endemic disease(s)	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. undertake appropriate action which is just for a farmer / client as far as preventing occurrence of preventable known disease(s) in his / her animal / farm is /are concerned.</p>
Review of standing technical guideline on control of scheduled / notified disease(s)	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. take only such actions / use product / follow procedure which is prescribed in the guideline for the scheduled diseases (s).</p>
Communication of business / health risk and bio-security related information to client.	<p>To be competent, the individual on the job must be able to:</p> <p>PC6. create future demand for preventive services by appropriately communicating the risk.</p> <p>PC7. ensure high rate of voluntary compliance of bio-security norms.</p>
Scheduling of vaccination program	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. schedule vaccination program at appropriate time ensuring technical requirement related to environment and convenience of farmer / client.</p>
Pre and post vaccination care	<p>To be competent, the individual on the job must be able to:</p> <p>PC9. identify sick animals or animals not fit for vaccination.</p> <p>PC10. be prepared to face any emergency situation following vaccination.</p> <p>PC11. report side-effect (if any)</p>

AGR/4802: Implementing regular preventive animal health care program.

Handling and Administration of vaccines	<p>To be competent, the individual on the job must be able to:</p> <p>PC12. conduct self-evaluation of procedure of procurement / infrastructure for storage etc. and use of vaccines from appropriate source only.</p> <p>PC13. ensure cold chain and compliance of other guideline during transport to farmers / clients place and point of use.</p> <p>PC14. rotate vaccine stock in hand so that oldest vaccines are used first, ensuring that no vaccine is used after expiration date.</p> <p>PC15. follow all scientific guideline related to vaccine administration procedure e.g. Use of appropriate dose, use of separate syringe for different vaccines etc.</p>
Preventive De-worming	<p>To be competent, the individual on the job must be able to:</p> <p>PC16. follow local area guideline regarding species, age and season of de-worming.</p> <p>PC17. use only permissible products, following appropriate dose and procedure of administration (As per directive of supervising veterinarian)</p>
Spraying of animals / birds or use of other method for control of ecto-parasites	<p>To be competent, the individual on the job must be able to:</p> <p>PC18. use only permissible products, following appropriate dose and procedure of use / application.</p> <p>PC19. ensure scale of operation by involving maximum number of farmers in a given area.</p> <p>PC20. take precaution for minimum effect on animal / immediate environment.</p>
Record keeping of preventive interventions, monitoring and follow up	<p>To be competent, the individual on the job must be able to:</p> <p>PC21. ensure record of given vaccine and administration related information (individual / herd level) along with batch numbers etc. as per given format.</p> <p>PC22. timely report vaccine failure to appropriate authority as per format.</p> <p>PC23. support laboratory for sample test etc. as per directive for monitoring of success of vaccination program.</p> <p>PC24. ensure herd coverage and continuity of vaccination program.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>PC25. relevant government / organizational guideline pertaining to preventive care procedure, use of products and reporting structure etc.</p> <p>PC26. impact / importance of preventive care program vis a vis organizational mandate.</p> <p>PC27. importance of data recording / monitoring vis a vis evaluation of preventive care program.</p> <p>PC28. funding and cost implication / benefit of preventive intervention.</p>

AGR/4802: Implementing regular preventive animal health care program.

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. use of data collection tool (including electronic)</p> <p>KB2. the prevalent farming system, social, geographical / environmental condition of the service area.</p> <p>KB3. prevalent diseases vis a vis affected species within the service area which can be prevented.</p> <p>KB4. symptoms, period of prevalence, pre-disposing factors.</p> <p>KB5. impact of such disease(s) and its geographical spread.</p> <p>KB6. pre-and post-vaccination care including handling of possible emergencies.</p> <p>KB7. type of vaccine and ways, importance of maintaining cool chain.</p> <p>KB8. availability of vaccines within given geographical area, storage and use (e.g. reconstitution etc.)</p> <p>KB9. scientific procedure of vaccine administration.</p> <p>KB10. environmental effect of chemicals used for control of ecto-parasite control.</p> <p>KB11. basic concept of herd immunity and measurement of same.</p> <p>KB12. basic concepts of disease prevention in wild free range animals.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief report / write email at least in local language</p> <p>SA2. fill data sheet.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline.</p> <p>SA4. keep abreast with the latest knowledge by reading brochures, pamphlets, and product information sheets.</p> <p>SA5. read government / organizational communications.</p>

	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers</p> <p>SA7. ask question and listen to farmers / clients to collect required data.</p> <p>SA8. give clear suggestions / guidance to farmers / clients.</p>
B. Professional Skills	<p>Decision Making and Problem Solving.</p> <p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions pertaining to the concerned area of work.</p> <p>SB2. solve problem arising out of implementation / scheduling of activities.</p>

AGR/4802: Implementing regular preventive animal health care program.

	Plan and Organize
	The user/individual on the job needs to know and understand:\
	SB3. plan activities and carry them through effectively involving farmers / clients. SB4. follow given procedures.
	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SB5. use communication tools.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB6. gather information systematically to establish a fact.

NOS Version Control

NOS Code	AGR/N4802		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/14
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/14
Occupational	Livestock Health Management	Next review date	23/12/15

AGR/N4803: Provisional diagnosis common animal diseases (including poisoning and injury)

National Occupational Standard

A grayscale world map is centered on the page. A small blue circle with the Ashoka Chakra, the national emblem of India, is placed over the country of India to indicate its global context.

Overview

This unit deals with provisional diagnosis of common animal diseases.

AGR/N4803: Provisional diagnosis common animal diseases (including poisoning and injury)

National Occupational Standard

Unit Code	AGR/N4803
Unit Title (Task)	Provisional diagnosis of common animal diseases (including poisoning and injury)
Description	This OS unit is about provisional diagnosis of common animal diseases (As notified by respective states under the provision on Minor Veterinary Services) including poisoning and injury.
Scope	<p>This unit/task covers :</p> <p>Elements pertaining diagnosis of diseases (including poisoning) such as observation, physical diagnostics test, post mortem and collection and dispatch of laboratory samples.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Recoding of observation.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. communicate with owner to record presenting complaint, history of events, present and previous illness / treatment (at individual / herd level).</p> <p>PC2. interpret existing record.</p> <p>PC3. help client / farmer in filling up of daily health (including herd health in farm condition) monitoring proforma as suggested by supervising veterinarian or as per standard manual.</p> <p>PC4. note changes in daily care /rearing / husbandry practices and in immediate environment.</p> <p>PC5. guide client / farmer on ways to handle diseased animals (e.g. isolation, cleaning of waste etc.).</p> <p>PC6. ensure early reporting of ailments from clients / farmers.</p>
Recording of symptoms, abnormality of structure and functions.	<p>To be competent, the individual on the job must be able to:</p> <p>PC7. describe physical symptoms / abnormality as per approved manuals for common disease symptoms.</p> <p>PC8. conduct and interpret body scoring.</p>
Prepare animals and record finding of diagnostic physical test	<p>To be competent, the individual on the job must be able to:</p> <p>PC9. accurately conduct and report diagnostic physical test as prescribed in manuals.</p>
To conduct provisional diagnosis	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. understand and conduct a preliminary differential diagnosis for communication to supervising veterinarian (where required)</p> <p>PC11. diagnose common ailments and poisoning.</p>
Assist in conducting post-mortem	<p>To be competent, the individual on the job must be able to:</p>

AGR/N4803: Provisional diagnosis common animal diseases (including poisoning and injury)

examination.	<p>PC12. take history of death and avoid post mortem in suspected case of Anthrax.</p> <p>PC13. arrange the examination in proper lighting condition and at a schedule place.</p> <p>PC14. follow standard procedure in opening of the carcass or as directed by veterinarian.</p> <p>PC15. collect samples, record common finding as dictated by veterinarian following format and rule prescribed in prevention and control of infectious and contagious diseases in animals (manner of post mortem examination and disposal of carcass) rules, 2010.</p> <p>PC16. ensure disinfection of the place where post mortem was conducted.</p>
Suggest and assist in laboratory test.	<p>To be competent, the individual on the job must be able to:</p> <p>PC17. understand and communicate regarding basic laboratory test options.</p> <p>PC18. collect samples for laboratory test as per approved manual.</p>
Collection and dispatching of samples to laboratory for disease diagnosis.	<p>To be competent, the individual on the job must be able to:</p> <p>PC19. follow guideline / manual.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant government / organizational manuals pertaining to observation, diseases symptoms etc.</p> <p>KA2. relevant organizational policy on health event reporting / record keeping.</p> <p>KA3. supervisory structure.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. importance and procedure of observation / history taking.</p> <p>KB2. use of physical examination tools and result interpretation (including electronic)</p> <p>KB3. species / breed characteristics vis a vis body scoring chart.</p> <p>KB4. the prevalent farming system, social, geographical / environmental condition of the service area.</p> <p>KB5. basic etiology and routes of transmission of common diseases.</p> <p>KB6. sources of poisoning</p> <p>KB7. nature of injuries vis a vis events.</p> <p>KB8. prevalent diseases vis a vis affected species within the service area.</p> <p>KB9. symptoms of various common diseases.</p> <p>KB10. economic impact of common disease(s) or potential cost to client / farmer.</p> <p>KB11. point of care diagnostic test and devices.</p> <p>KB12. laboratory test option(s) to assist in confirmatory diagnosis.</p> <p>KB13. basics of post mortem examination.</p> <p>KB14. methods of sample collection for laboratory test and transportation.</p>

AGR/N4803: Provisional diagnosis common animal diseases (including poisoning and injury)

Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. prepare a brief case report. SA2. fill data sheet / health monitoring proforma.
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA3. read government / organizational guideline / manuals. SA4. keep abreast with the latest knowledge by reading brochures, pamphlets, and other disease related information sheets. SA5. read directives from government / organization / supervising veterinarians.
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA6. discuss task lists, schedules, etc. with co-workers SA7. ask question and listen to farmers / clients to collect required data. SA8. give clear suggestions / guidance to farmers / clients.
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SA9. make decisions pertaining to the concerned area of work based on collected information and available alternatives.
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SA10. how to plan for systematic observation and data gathering.
	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SA11. use electronic physical examination tools.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SA12. investigate and analyze events.

AGR/N4803: Provisional diagnosis common animal diseases (including poisoning and injury)

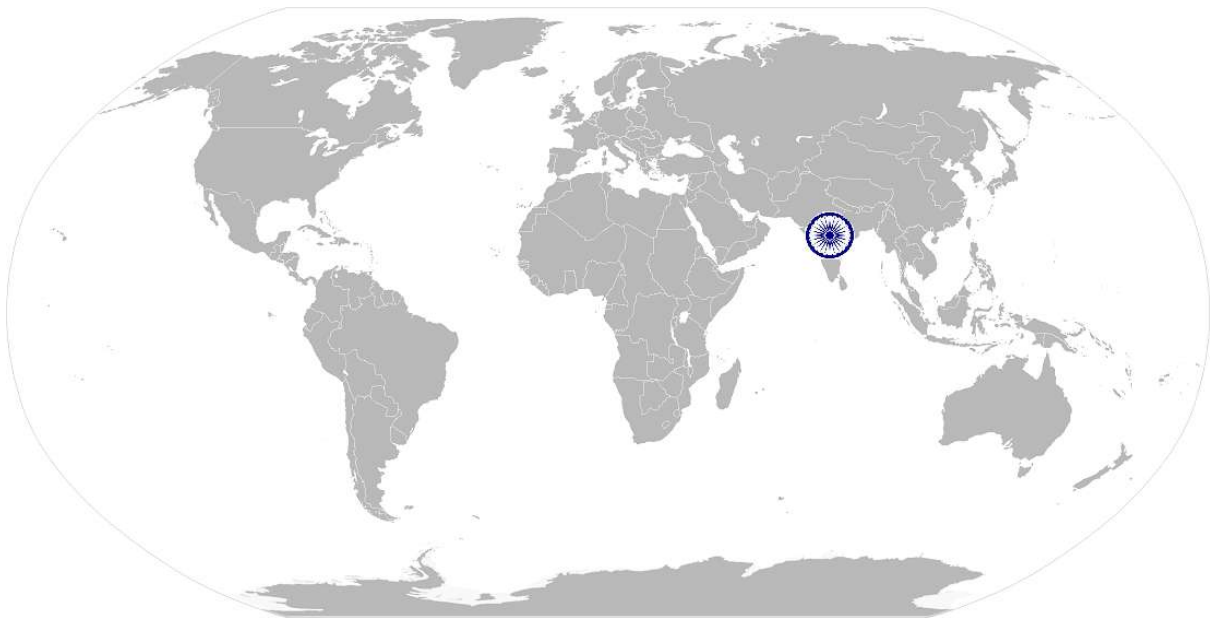
NOS Version control

NOS Code	AGR/N4803		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/14
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/14
Occupation	Livestock Health Management	Next review date	23/12/15



AGR/N4804: Providing curative treatment for common animal diseases.

National Occupational Standard



Overview

This unit deals with curative treatment of common animals diseases.

AGR/N4804: Providing curative treatment for common animal diseases.

National Occupational Standard

Unit Code	AGR/N4804
Unit Title (Task)	Providing curative treatment for common animal diseases.
Description	This OS unit is about providing curative treatment for only common animal diseases (as notified by respective states under the provision on Minor Veterinary Services)
Scope	<p>This unit/task covers:</p> <p>Various elements of curative care of common ailments starting with providing initial symptomatic care to compounding, dispensing and administration of medicines under the supervision of veterinarian.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Consult supervising veterinarian on prognosis and line of treatment.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. communicate with supervising veterinarian on onset, physical state of animal(s), degree of symptoms, location and economic factors.</p> <p>PC2. value right of animal owners such as right to co-operate, quality and continuity of services.</p> <p>PC3. communicate with animal owners on prescribed treatment, cost implication, possible affects, importance of continuity of treatment, important instructions (including use of products) to be followed etc.</p>
Provide initial care for observed common symptoms as per manual	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. follow the procedures as prescribed in manual.</p>
Administer fluid therapy / intra mammary infusion as per prescription.	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. determine suitability of the animal condition (at the point of care) to receive prescribed fluid therapy.</p> <p>PC6. use required kits, devices e.g. iv catheters accurately</p> <p>PC7. follow aseptic procedure and comfort need of animals under treatment while administering.</p>
Compounding and dispensing medicines as per prescription and under condition of drug license.	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. follow dispensing process as per the manual of state drug authority.</p> <p>PC9. follow guideline on permissible and extent of use of compounded preparation in animal treatment including material used in such compounding.</p>
Administer drugs as per instruction given in prescription of supervising veterinarian.	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. prepare / restrain animals for administration of drugs.</p> <p>PC11. prepare / reconstitute prescribed drugs (where required)</p> <p>PC12. use appropriate route / site for administration.</p> <p>PC13. help farmer / client to keep record of treatment provided.</p>

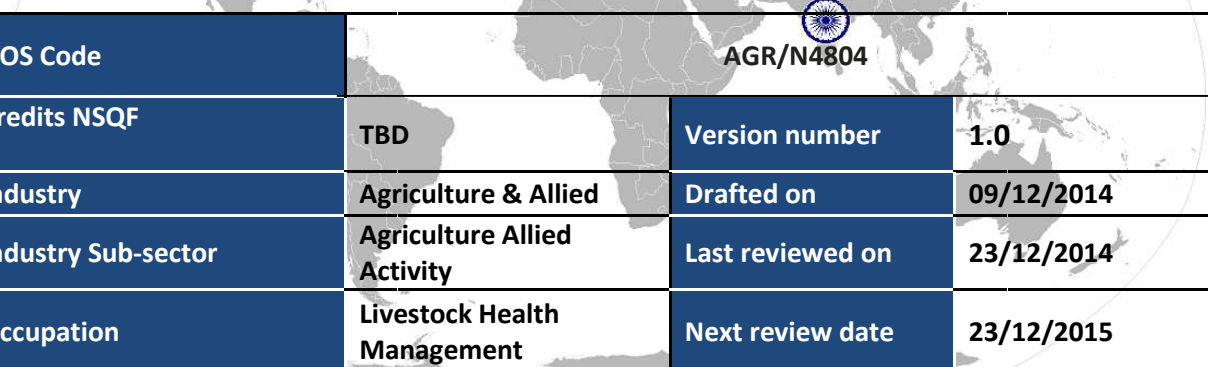
AGR/N4804: Providing curative treatment for common animal diseases.

Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant government / organizational manuals</p> <p>KA2. relevant organizational policy on health event reporting / record keeping.</p> <p>KA3. supervisory structure.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basic anatomy and physiology of animals.</p> <p>KB2. various routes of drug administration and precautions to be taken thereof.</p> <p>KB3. common category of therapeutics, their uses, standard dose and associated risk including residual effect on livestock products.</p> <p>KB4. permissible compounded preparation in animal treatment including procedure of compounding in such cases with risk factors and precautions to be taken.</p> <p>KB5. understanding of public health risk associated with anti-microbial therapy e.g. drug resistance and drug residues etc.</p> <p>KB6. procedure of use of treatment / administration related devices / kits.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief case report.</p> <p>SA2. fill data sheet / health monitoring proforma.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. Read government / organizational guideline / manuals.</p> <p>SA4. Keep abreast with the latest knowledge by reading brochures, pamphlets, and other treatment related information sheets.</p> <p>SA5. Read directives from government / organization / supervising veterinarians.</p>
B. Professional Skills	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers</p> <p>SA7. explain farmers / clients on treatments and post treatment care.</p> <p>SA8. give clear suggestions / guidance to farmers / clients.</p>
	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to progress of treated cases based on observation.</p>
B. Professional Skills	Plan and Organize

AGR/N4804: Providing curative treatment for common animal diseases.

	The user/individual on the job needs to know and understand:
	SB2. how to plan for systematic drug administration and related care.
	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SB3. use electronic physical monitoring tools.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB4. investigate and analyze progress of treatment.

NOS Version control



NOS Code	AGR/N4804		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4805: Veterinary first aid

National Occupational Standard



Overview

This unit deals with veterinary first aid.

AGR/N4805: Veterinary first aid

National Occupational Standard

Unit Code	AGR/N4805
Unit Title (Task)	Veterinary first aid
Description	This OS unit is about veterinary first Aid
Scope	<p>This unit/task covers:</p> <p>Various aspects of first aid including immediate relief and treatment of noninfectious emergency conditions and accidents.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Cleaning and washing of muzzle, mouth, hooves, feet etc. with antiseptic solutions	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. prepare aseptic solution.</p>
Treatment of non-infectious conditions like indigestion, anorexia, constipation, tympani, impaction, diarrhea etc.	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. diagnose emergency situation and use common suggested medications / follow precautions as per manual.</p> <p>PC3. describe common symptoms of diseases in animals and report accordingly.</p> <p>PC4. identify common infectious / scheduled animal diseases and ensure timely reporting of the same.</p>
Provide immediate support to accidental situations like poisoning, sun-stroke, electrocution, burn injuries etc.	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. identify from symptoms the cause of the accident.</p> <p>PC6. assess the severity of the accident and suggest for consultation with veterinarian.</p> <p>PC7. provide basic / immediate care as specified for each type of accidents.</p>
Handling of superficial wound and trauma.	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. to be able to stop bleeding, clean and protect the wound.</p>
Initial support in cases like prolapse of uterus.	<p>To be competent, the individual on the job must be able to:</p> <p>PC9. to be able to ensure aseptic handling and protection of the prolapsed organ(s) before the arrival of veterinarian.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy on health event reporting / record keeping.</p> <p>KA2. understanding of supervisory structure.</p>

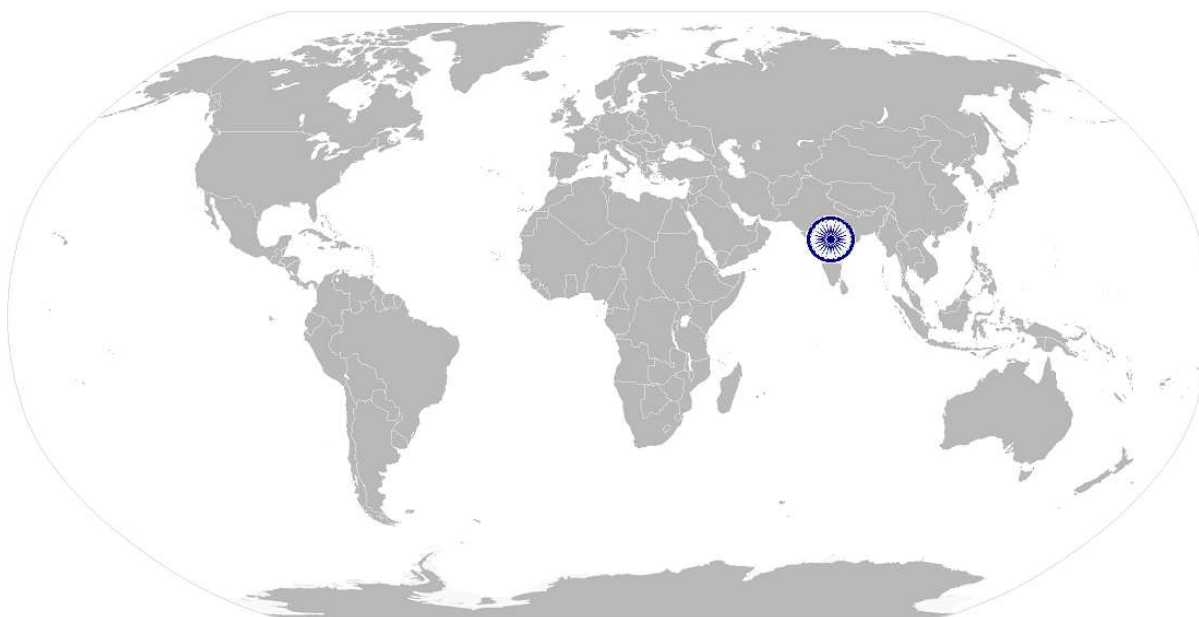
AGR/N4805: Veterinary first aid

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basics of emergency conditions in animal along with pre-disposing factors. KB2. nature of wounds vis a vis procedure of cleaning and protection KB3. uses and doses of common medications in emergency situations. KB4. common approaches in handling poisoning and natural calamities. KB5. ways to differentiate a diseased animal from a healthy animal. KB6. major symptoms of common scheduled diseases. KB7. use of approved ethno-veterinary practices.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. Fill data sheet / health monitoring proforma.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA2. read government / organizational guideline / manuals. SA3. read directives from government / organization / supervising veterinarians.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA4. discuss task lists, schedules, etc. with co-workers SA5. explain farmers / clients on presented symptoms / emergency condition. SA6. give clear suggestions / guidance to farmers / clients.</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to use of medication out of permitted assortments.</p>
	Investigative and logical thinking.
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. to relate emergency situation to immediate events in surrounding environment.</p>

AGR/N4805: Veterinary first aid

NOS Version control

NOS Code	AGR/N4805		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015



AGR/N4816: Assistance during veterinary surgery in hospital / clinic setting.

National Occupational Standard



Overview

This unit deals with providing assistance during veterinary surgery in hospital / clinic setting

AGR/N4816: Assistance during veterinary surgery in hospital / clinic setting.

National Occupational Standard

Unit Code	AGR/N4816
Unit Title (Task)	Assistance during veterinary surgery in hospital / clinic setting.
Description	This OS unit is about assisting veterinarian during surgical procedure in hospital / clinic setting.
Scope	<p>This unit/task covers:</p> <p>Various aspects of assistance during surgical procedures starting from preparation to actual surgery and post-operative care.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Preparation of operation theater environment and surgical instruments	<p>To be competent, the individual on the job must be able to:\</p> <p>PC1. keep surgical environment as clean as practicable within the limits of the premises and the surgical procedure to take place.</p> <p>PC2. prepare / sterilize surgical equipment and materials according to guideline.</p> <p>PC3. place surgical equipment and materials in the correct position to support the surgical procedure.</p>
Preparation of animals for surgery	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. keep ready necessary information e.g. size, age, weight & clinic record on history and concurrent treatment.</p> <p>PC5. bring the animal safely to operation theater and restraint it appropriately.</p> <p>PC6. encourage the animal to feel at ease in clinical environment.</p> <p>PC7. identify surgical sites and ensure the appropriate pre-surgical procedure is undertaken.</p>
Assistance in administration and maintenance of anesthesia	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. prepare anesthetic equipment, materials and gases. (as required)</p> <p>PC9. observe / monitor vital signs after anesthesia as suggested by veterinarian.</p>
Providing assistance during surgery	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. establish the assistance that may be required for the concerned surgery.</p> <p>PC11. provide equipment and materials to veterinary surgeon.</p> <p>PC12. record information regarding surgical procedure (if any) as dictated by veterinary surgeon.</p>
Conducting non-invasive castration of animals.	<p>To be competent, the individual on the job must be able to:</p> <p>PC13. appropriately use permitted equipment.</p> <p>PC14. ensure appropriate season (early spring or late fall) and age of the animal</p> <p>PC15. ensure pre-examination of animal and follow standard operating procedure (SOP) as suggested by Animal Welfare Board of India e.g. use of sedative.</p>

AGR/N4816: Assistance during veterinary surgery in hospital / clinic setting.

Handling of prolapse of uterus , dystocia and retention of placenta	To be competent, the individual on the job must be able to: PC16. follow standard operating procedure (SOP) as prescribed by organization.
Conducting dehorning, debeaking, hoof trimming and tooth rasping	To be competent, the individual on the job must be able to: PC17. to be able to follow standard operating procedure (SOP) as prescribed by organization.
Care during recovery from surgery	To be competent, the individual on the job must be able to: PC18. ensure appropriate methods to prevent the animal interfering with wounds, dressings and catheters. PC19. recognize sign of pain and distress. PC20. obtain and record monitoring information required by veterinary surgeon correctly.
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. relevant organizational policy on health event reporting / record keeping. KA2. supervisory structure.
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. Pre-surgical standard operating procedure (SOP). KB2. Preparation and maintenance of various surgical equipment. KB3. Steps in monitoring animals during the anesthesia and the indication of problems thereof. KB4. What, why, when and how of castration in animals. KB5. Basic anatomy of reproductive system in animals. KB6. Procedure and complication / precautions (including position of animal, use of equipment, anesthetics / sedatives) of non-invasive / non-surgical or closed method castration. KB7. Underlying causes of prolapse of uterus, dystocia and retention of placenta. KB8. Standard procedure in handling prolapse of uterus , dystocia and retention of placenta KB9. Procedure and complication / precautions of dehorning, debeaking, hoof trimming and tooth rasping.
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills The user/ individual on the job needs to know and understand how to: SA1. prepare a brief case report. SA2. fill data sheet / health monitoring sheet.

AGR/N4816: Assistance during veterinary surgery in hospital / clinic setting.

	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA3. read government / organizational guideline / manuals.
	SA4. read directives from government / organization / supervising veterinarians.
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA5. discuss task lists, schedules, etc. with co-workers
	SA6. explain farmers / clients on adopted procedure.
	SA7. give clear suggestions / guidance to farmers / clients.
	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. make decisions related to use of techniques / tools and equipment based on situation.
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SB2. how to plan and follow standard procedures
	Laws and ethics
	The user/individual on the job needs to know and understand how to:
	SB3. follow and uphold applicable laws and the veterinary profession's ethical codes to provide high quality care to patients.

NOS Version control

NOS Code	AGR/N4816		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4817: Providing companion animal care.

National Occupational Standard



Overview

This unit deals with providing in pet or companion animal care and management

AGR/N4817: Providing companion animal care.

National Occupational Standard

Unit Code	AGR/N4817
Unit Title (Task)	Providing companion animal care
Description	This OS unit is about assisting in pet animal care and management
Scope	<p>This unit/task covers:</p> <p>Various aspects of companion animal care and management including delivery of products meant for such animals.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Companion animal grooming, brushing, bathing etc.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. prepare and make the animal to cooperate during the procedure (s).</p> <p>PC2. conduct thorough inspection of animal's body, including the eyes, ears, mouth, throat, neck, tail, underside, legs, and paws for external parasite, injury etc.</p> <p>PC3. record condition of animal coat and report abnormality to veterinarian.</p> <p>PC4. use appropriate and approved appliances and products.</p>
Companion animal Management.	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. suggest on vaccination schedule and conduct routine vaccination under supervision of veterinarian.</p> <p>PC6. guide customers on breed selection.</p> <p>PC7. ensure or guide clients on pet registration with local government authority.</p> <p>PC8. guide customers on common behavior related problems.</p> <p>PC9. promote scientific feeding and quality products thereof.</p>
Retailing of products for companion animal	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. demonstrate retail products to customers.</p> <p>PC11. assist a customer to choose a product based on his / her need.</p> <p>PC12. use stock control system to identify the types and quantities of stock to order.</p> <p>PC13. keep record of transactions.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy on health event reporting / record keeping.</p>

AGR/N4817: Providing companion animal care.

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. species and common breeds of companion animals.</p> <p>KB2. animal grooming techniques.</p> <p>KB3. vaccination in companion animals (along with schedules and precautions to be taken)</p> <p>KB4. record keeping and pet registration as per local government requirement.</p> <p>KB5. common behavioral problems in companion animals.</p> <p>KB6. feeding techniques and basics aspect of companion animal nutrition.</p> <p>KB7. various products used in companion animal context.</p> <p>KB8. basic aspect of retailing.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. fill data sheet / health monitoring sheet.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA2. read government / organizational guideline / manuals.</p> <p>SA3. keep abreast with the latest knowledge by reading brochures, pamphlets, and other information sheets.</p> <p>SA4. read product labels and instructions.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA5. discuss task lists, schedules, etc. with co-workers</p> <p>SA6. explain clients on procedures and use of products during grooming.</p> <p>SA7. give clear guidance to clients on management of companion animals.</p>
	Decision Making
B. Professional Skills	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to use of products.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan various procedures / activities.</p>
	Skills of using computer / electronic gadgets and other communication tools.
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. use computer / credit card reader in retail context.</p>

AGR/N4817: Providing companion animal care.

NOS Version control

NOS Code	AGR/N4817		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015



AGR/N4818: Assistance in veterinary hospital / clinic management

National Occupational Standard

Overview

This unit deals with providing assistance in veterinary hospital and clinic management

AGR/N4818: Assistance in veterinary hospital / clinic management

National Occupational Standard

Unit Code	AGR/N4818
Unit Title (Task)	Assistance in veterinary hospital / clinic management.
Description	This OS unit is about assisting in veterinary hospital and clinic management.
Scope	<p>This unit/task covers:</p> <p>Various activities in a clinic / hospital both in the context of management of in-house operations and clients.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Maintenance of clinic / hospital environment	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. supervise cleaning of work environment consistent with any agreed specification and at the time agreed by those concerned, causing least disruption.</p> <p>PC2. supervise disposal of clinic waste as per standard procedure.</p> <p>PC3. ensure safety of clinic property and proper storage of chemicals (including hazardous materials), equipment.</p> <p>PC4. supervise front office and handle records /queries of clients and visitors.</p> <p>PC5. ensure safety and comfort of visitors.</p>
Admission, Care of admitted animals or animals in kennels	<p>To be competent, the individual on the job must be able to:</p> <p>PC6. collect details of animal (with owner details) for which admission is required and arrange signing of consent form.</p> <p>PC7. ensure that the animal is safe, correctly identified and adequately restrained.</p> <p>PC8. select accommodation within hospital set up in a safe, secure and clean state that maintains animal health and welfare.</p> <p>PC9. follow directive of veterinarian regarding care requirements for in-patients.</p> <p>PC10. monitor patients such as in terms of faeces / urine output, flood / fluid intake, behavior, clinical parameters, pain / distress etc.</p> <p>PC11. replace dressing and bandages.</p> <p>PC12. undertake assisted feeding (where required)</p> <p>PC13. ensure five freedoms of animal welfare to admitted animals.</p>
Client service management in hospital setting	<p>To be competent, the individual on the job must be able to:</p> <p>PC14. update client record in practice software.</p> <p>PC15. generate scheduled communications e.g. for periodic vaccination etc. as per standard format.</p> <p>PC16. promote clinic / hospital services.</p>
Client education	<p>To be competent, the individual on the job must be able to:</p> <p>PC17. Prepare and display / demonstrate client education poster / presentation etc.</p>

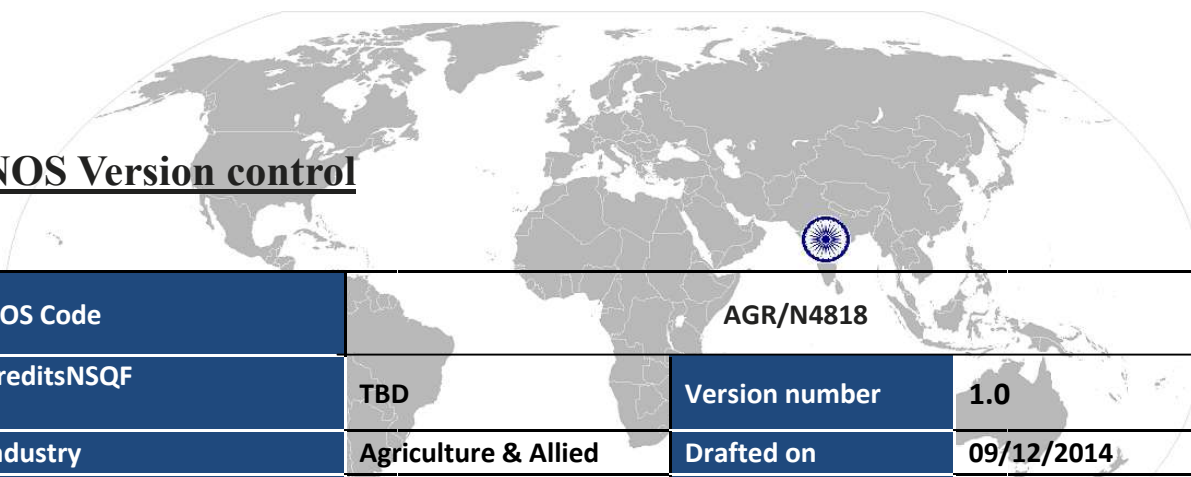
AGR/N4818: Assistance in veterinary hospital / clinic management

Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. relevant organizational policy on data protection and client confidentiality. KA2. supervisory structure.
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. monitor of progress of animals under care e.g. observing vital signs, appearance, normal body functions. KB2. five freedoms in the context of animal welfare. KB3. waste disposal methods (including bio-medical waste) KB4. basics of customer care. KB5. assisted feeding of animals.
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Prepare a brief report SA2. Fill data sheet / customer detail form SA3. Prepare basic display materials for given content.
	Reading Skills
	The user/individual on the job needs to know and understand how to: SA4. Read government / organizational guideline / manuals. SA5. Keep abreast with the latest knowledge by reading brochures, pamphlets and information sheets. SA6. Read directives from government / organization / supervising veterinarians.
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to: SA7. discuss task lists, schedules, etc. with co-workers SA8. explain farmers / clients on clinic / hospital procedures. SA9. give clear guidance or direction for services to farmers / clients.
	B. Professional Skills
	Decision Making
	The user/individual on the job needs to know and understand how to: SB1. make decisions related to animal care provisions.
	Plan and Organize

AGR/N4818: Assistance in veterinary hospital / clinic management

	The user/individual on the job needs to know and understand:
	SB2. how to plan various procedures / activities.
	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SB3. use computer / practice / hospital software to enter client data and generate report / communications.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB4. investigate and analyze any deviation of clinic day to day operations.

NOS Version control



NOS Code	AGR/N4818		
CreditsNSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4819: Conducting common laboratory test



National Occupational Standard

Overview

This unit deals with conducting common laboratory test / radiography

AGR/N4819: Conducting common laboratory test
National Occupational Standard

Unit Code	AGR/N4819
Unit Title (Task)	Conducting common laboratory test
Description	This OS unit is about assisting veterinarian in conducting common laboratory test and radiography for disease diagnosis and feed, livestock product safety / quality.
Scope	<p>This unit/task covers:</p> <p>Various laboratory related activities covering two board area of disease diagnosis and quality control of farm input / products.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Collection / receipt / dispatch (to reference laboratory – where required) of samples.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. collect normal samples for laboratory test as per standard procedure in the context of the test to be conducted or as directed by veterinarian.</p> <p>PC2. receive, record and mark samples sent to the laboratory for various test.</p> <p>PC3. pack and dispatch samples as per guideline.</p>
Common and routine laboratory test	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. conduct common laboratory test for disease diagnosis, feed and livestock product safely / quality.</p> <p>PC5. assist veterinary scientist in advanced laboratory test including those required in semen straw production centers.</p>
Maintenance of laboratory environment and utensil / equipment.	<p>To be competent, the individual on the job must be able to:</p> <p>PC6. supervise cleaning process as per standard guideline.</p> <p>PC7. maintain utensil / equipment as per manufacturers' guideline.</p>
Caring and managing laboratory animals	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. follow safety measures in handling laboratory animals.</p> <p>PC9. follow standard operating procedure / ethical guideline as prescribed by organization.</p>
Assist in radiography of animals.	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. identify the area to be imaged correctly and undertake the appropriate pre-diagnostic imaging preparation.</p> <p>PC11. encourage the animal feel at ease in the clinical environment</p> <p>PC12. assist veterinarian in conducting the radiographic session.</p> <p>PC13. process the radiographic image correctly.</p>

AGR/N4819: Conducting common laboratory test

Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy and guideline.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. sample collection techniques (including collection of sample for livestock products / feed etc.) and their handling.</p> <p>KB2. procedure of various common laboratory / radiography test and recording of results.</p> <p>KB3. safety guidelines in laboratory animal handling.</p> <p>KB4. disinfection / sterilization / bio-security in the context of laboratory.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief test report for review of veterinarian.</p> <p>SA2. fill data sheet / lab register.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline / manuals.</p> <p>SA4. keep abreast with the latest knowledge by reading brochures, pamphlets, and related information sheets.</p> <p>SA5. read directives from government / organization / supervising veterinarians.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers</p> <p>SA7. explain farmers / clients for cooperation in sample collection.</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to use of laboratory techniques.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan various procedures.</p>

AGR/N4819: Conducting common laboratory test

	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SB3. use electronic laboratory appliances.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB4. investigate and analyze laboratory test finding vis a vis manual

NOS Version control

NOS Code	AGR/N4819		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4811: Implementation of veterinary public health and other regulatory activities



Overview

This unit deals with veterinary public health and other regulatory activities

AGR/N4811: Implementation of veterinary public health and other regulatory activities

National Occupational Standard

Unit Code	AGR /N4811
Unit Title (Task)	Implementation of veterinary public health and other regulatory activities
Description	This OS unit is about assisting organization in implementing programs related to veterinary public health and other regulatory activities.
Scope	<p>This unit/task covers:</p> <p>Various regulatory activities aimed at ensuring safe food, disease free environment, sustainable resource utilization and control of pollution.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Ante-mortem inspection of livestock	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. identify 'suspects' for segregation from the healthy animals and further examination by veterinarian.</p>
Physical examination of livestock products.	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. assess the quality of milk / meat based on physical characteristics.</p> <p>PC3. report competent authority on suspected adulteration.</p>
Consumer education on nutrition and food safety of livestock products.	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. Promote consumption of quality and safe livestock products.</p>
Carcass / animal waste disposal and by-product utilization.	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. follow guideline and also promote the same for scientific handling of carcass and animal waste.</p> <p>PC6. promote available technology for by-product utilization or link farmers to enterprises handling by-products.</p>
Sustainable resource utilization and Mitigation of pollution from livestock farms	<p>To be competent, the individual on the job must be able to:</p> <p>PC7. estimate water requirement, assess water use and suggest better utilization of available water.</p> <p>PC8. promote measurement of methane emission in organized farms and suggest / implement ways to control the same.</p>
Creation of awareness on zoonotic diseases.	<p>To be competent, the individual on the job must be able to:</p> <p>PC9. list common zoonotic disease with factors responsible for their transmission.</p>
Management of quarantine facility and inter –state check gate.	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. explain the need of quarantine services and follow process as per organizational guideline.</p> <p>PC11. identify / isolate suspect cases for further confirmation by veterinarian.</p>
Reporting illegal practices / cruelty on	<p>To be competent, the individual on the job must be able to:</p>

AGR/N4811: Implementation of veterinary public health and other regulatory activities

animals.	PC12. prevent inappropriate use of antibiotics and hormones on animals and explain consequences to stakeholders. PC13. prevent cruelty and promote compassion to animals. PC14. report such cases to appropriate authority.
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. relevant organizational policy / procedure on reporting events of public health importance.
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. the objectives and basic things to observe as a part of ante mortem examination. KB2. common practices of livestock product adulteration. KB3. basics of quality parameters and food safety guidelines in the context of livestock products. KB4. impact of livestock on environment and field / farm level initiatives to mitigate the same. KB5. available technologies for waste disposal and by-product utilization. KB6. basics of common zoonotic diseases. KB7. basic public health issues such as drug residues in food and antibiotic resistance. KB8. basics of bio-security and quarantine procedure. KB9. major laws related to animals, food safety and veterinary service delivery.
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. prepare a brief report. SA2. Fill forms / reporting formats.
	Reading Skills
	The user/individual on the job needs to know and understand how to: SA3. read government / organizational guideline / manuals. SA4. keep abreast with the latest knowledge by reading brochures, pamphlets, and other public health related information sheets. SA5. read directives from government / organization / supervising veterinarians.
	Oral Communication (Listening and Speaking skills)

AGR/N4811: Implementation of veterinary public health and other regulatory activities

	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers</p> <p>SA7. explain farmers / clients on public health issues.</p> <p>SA8. give clear suggestions / guidance to farmers / clients.</p>
B. Professional Skills	<p>Decision Making</p> <p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions on issues requiring legal actions.</p> <p>Plan and Organize</p> <p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan various promotion / awareness activities</p> <p>Skills of using computer / electronic gadgets and other communication tools.</p> <p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. use mobile /electronic and other devices such as one to check adulteration in livestock products.</p> <p>Analyzing and investigating</p> <p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. Investigate and analyze illegal activities related to animals / animal products.</p>

NOS Version control

NOS Code	AGR/N4811		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4812: Implementation of Animal breeding services



Overview

This unit deals with animal breeding services.

AGR/N4812: Implementation of Animal breeding services

National Occupational Standard

Unit Code	AGR/N4812
Unit Title (Task)	Implementation of Animal breeding services
Description	This OS unit is about assisting organization in implementing programs related to animal breeding.
Scope	<p>This unit/task covers:</p> <p>Various aspects of livestock breeding, starting from pre-breeding related activities such as breeder database maintenance and quality animal selection to actual breeding and related facility / laboratory works.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Maintenance of database of good animal breeders.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. help farmers / clients with information on sources of good breeding animals.</p>
Assistance to farmers in quality animal selection / purchase.	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. assist farmers / clients in selecting animal with proper breed and other characteristics for breeding purpose.</p>
Conducting artificial insemination	<p>To be competent, the individual on the job must be able to:</p> <p>PC3. detect heat in animals.</p> <p>PC4. use semen of appropriate quality and blood level.</p> <p>PC5. follow protocols pertaining to biosecurity, safety, hygiene and welfare.</p> <p>PC6. follow the prescribed procedures in handling semen straw and in conducting insemination.</p> <p>PC7. conduct artificial insemination in time.</p>
Assistance to farmers on management of unproductive animals.	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. guide farmers / clients on common infertility issues and their handling e.g. mineral supplementation etc.</p> <p>PC9. guide farmers on maintaining optimum number of animals based on breeding plan and suggested performance goal.</p>
Post insemination support and Performance monitoring of breeding services	<p>To be competent, the individual on the job must be able to:</p> <p>PC10. conduct pregnancy diagnosis.</p> <p>PC11. guide / assist farmer in handling common difficulties related to animal birth.</p> <p>PC12. provide organization with standard required information such as semen used; time of heat, time of insemination, calf born etc. needed to monitor breeding services.</p>
Assistance in management of bull stations / semen production centers.	<p>To be competent, the individual on the job must be able to:</p> <p>PC13. to be able to undertake management of breeding bulls including exercise.</p> <p>PC14. to prepare animals and assist in semen collection.</p> <p>PC15. to maintain various common equipment in semen production centers.</p> <p>PC16. to supervise storage and distribution of semen straws.</p>

AGR/N4812: Implementation of Animal breeding services

Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy on breeding.</p> <p>KA2. understanding of supervisory / reporting structure.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basic of reproductive physiology e.g. estrous cycle, signs etc. and anatomy of reproductive organs.</p> <p>KB2. basic of genetics e.g. selective breeding / cross breeding</p> <p>KB3. semen straw handling procedure and safety requirement in handling of liquid nitrogen.</p> <p>KB4. protocols related to bio-security, hygiene, safety and animal welfare</p> <p>KB5. technical procedure of artificial insemination and pregnancy diagnosis.</p> <p>KB6. mineral supplementation to handle infertility.</p> <p>KB7. common animal birth related difficulties and handling of same.</p> <p>KB8. basics of management of breeding bulls</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief case report.</p> <p>SA2. fill monitoring related forms etc.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline / manuals.</p> <p>SA4. read label of semen straws.</p> <p>SA5. read manufacturer guideline of various common equipment uses in breeding services.</p> <p>SA6. read directives from government / organization / supervising veterinarians.</p>
Oral Communication (Listening and Speaking skills)	
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA7. discuss task lists, schedules, etc. with co-workers</p> <p>SA8. explain farmers / clients on artificial insemination procedures.</p> <p>SA9. give clear suggestions / guidance to farmers / clients.</p>
B. Professional Skills	Decision Making

AGR/N4812: Implementation of Animal breeding services

	The user/individual on the job needs to know and understand how to:
	SB1. make decisions related to time, appropriate application of artificial insemination technologies / pregnancy diagnosis etc.
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SB2. how to plan various procedures.
	Skills of using computer / electronic gadgets and other communication tools.
	The user/individual on the job needs to know and understand how to:
	SB3. use electronic / mobile tools (where available) to record and send breeding related data to servers.
	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB4. investigate and analyze in relation to difficulties, failures etc.

NOS Version control

NOS Code	AGR/N4812		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4813: Assisting in animal welfare, breed conservation and disaster management

National Occupational Standard



Overview

Assisting in animal welfare, breed conservation and disaster management

AGR/N4813: Assisting in animal welfare, breed conservation and disaster management
National Occupational Standard

Unit Code	AGR/N4813
Unit Title (Task)	Assisting in animal welfare, breed conservation and disaster management
Description	This OS unit is about assisting organization in implementing programs related to animal welfare, conservation and disaster management.
Scope	<p>This unit/task covers:</p> <p>Ensure animal welfare and conservation of animal resources besides preparedness for disasters.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Identifying and reporting of cruelty to animals / birds.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. explain the cruelty for effective reporting.</p>
Supporting management of human animal conflict	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. explain stakeholders on common prevention and protection strategies related to common conflict situation.</p>
Promotion of rearing of purebred indigenous animals	<p>To be competent, the individual on the job must be able to:</p> <p>PC3. scout and engage with interested breeding farms / goshala's (Protective shelters for cows in India) for conservation of purebred animals.</p>
Supporting disaster preparedness and handling	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. help in stocking (as a preparedness) and mobilization of feed / fodder at the time of disasters.</p> <p>PC5. work with community and disaster management authorities to provide safe passage to animals / livestock.</p> <p>PC6. provide care / shelter to animal in distress</p> <p>PC7. undertake appropriate measures for carcass disposal.</p> <p>PC8. undertake culling and other measures suggested in case of disease related emergencies.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational guideline on reporting and partnerships.</p>

AGR/N4813: Assisting in animal welfare, breed conservation and disaster management

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. importance of conservation and essential role of wildlife in ecosystem functioning.</p> <p>KB2. common prevention and protection strategies in human animal conflict situations.</p> <p>KB3. basic aspects of disaster management.</p> <p>KB4. rules and regulation related to animal welfare and wild life conservation.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief report.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA2. read government / organizational guideline.</p> <p>SA3. read directives from government / organization / supervising veterinarians.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA4. discuss task lists, schedules, etc. with co-workers</p> <p>SA5. explain farmers / animal owners on disaster management issues.</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to steps needed to protect the interest of livestock / animals in the event of disaster.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan various activities.</p>
	Skills of using computer / electronic gadgets and other communication tools.
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. use mobile / electronic gadgets helpful during disasters.</p>
	Analyzing and investigating
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. investigate and analyze possible after-effect of disasters.</p>

AGR/N4813: Assisting in animal welfare, breed conservation and disaster management

NOS Version control

NOS Code	AGR/N4813		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015



AGR/N4814: Assisting in livestock farm management



National Occupational Standard

Overview

This unit deals with providing assistance in livestock farm management.

AGR/N4814: Assisting in livestock farm management
National Occupational Standard

Unit Code	AGR/N4814
Unit Title (Task)	Assisting in livestock farm management
Description	This OS unit is about assisting organization/ farmers / entrepreneurs in livestock farm management.
Scope	<p>This unit/task covers:</p> <p>Various aspects related to day to day operation management in a livestock / poultry farm focusing on productivity and health.</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Supervising day to day operation in a livestock / poultry farm.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. delegate / prepare daily job sheet for farm laborers (in case of organized farms)</p>
Understanding of basic farm economics.	<p>To be competent, the individual on the job must be able to:</p> <p>PC2. keep record and analyze financial transactions in a farm. PC3. explain farmers on ways to calculate cost of production / profit & loss.</p>
Fodder production and feeding management.	<p>To be competent, the individual on the job must be able to:</p> <p>PC4. promote fodder cultivation. PC5. ensure intelligent procurement and quality control of feed.</p>
Monitoring of farm performance parameters	<p>To be competent, the individual on the job must be able to:</p> <p>PC6. follow / explain common productivity related performance parameters in livestock farms.</p>
Implementation of bio-security in livestock and poultry farms.	<p>To be competent, the individual on the job must be able to:</p> <p>PC7. implement guideline on each of the element viz. segregation, cleaning, disinfection and disposal. PC8. guide farmer / farm-worker on measures to be taken in connection with health, animal movement, pollution and unusual death.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy and programs in the context of entrepreneurship development.</p>

AGR/N4814: Assisting in livestock farm management

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. routine operations in an organized livestock / poultry farm.</p> <p>KB2. record keeping at farm,</p> <p>KB3. basics of farm economics and performance parameters.</p> <p>KB4. types of fodder crops.</p> <p>KB5. characteristics and sources of common feed ingredients / finished compounded feed.</p> <p>KB6. concept of bio-security and its implementation in the context of farms.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare indent for purchase.</p> <p>SA2. maintain farm records</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline / manuals.</p> <p>SA4. keep abreast with the latest knowledge by reading books, brochures, pamphlets etc.</p> <p>SA5. read directives from government / organization / supervising veterinarians.</p>
	Oral Communication (Listening and Speaking skills)
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA6. discuss task lists, schedules, etc. with co-workers and farm workers.</p> <p>SA7. give clear suggestions / guidance to farm workers.</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. make decisions related to day to day management.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. how to plan farm operations.</p>
	Skills of using computer / electronic gadgets and other communication tools.
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. use mobile / electronic devices to keep farm records.</p>

AGR/N4814: Assisting in livestock farm management

	Analyzing and investigating
	The user/individual on the job needs to know and understand how to:
	SB4. investigate and analyze causes of undesirable events within farms.

NOS Version control

NOS Code	AGR/N4814		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015

AGR/N4815: Assisting in veterinary care of wild animals

National Occupational Standard

A grayscale world map is centered on the page. A small blue circle with the Ashoka Chakra, the national emblem of India, is placed over the country of India to indicate its global context.

Overview

This unit deals with veterinary care of wild animals.

AGR/N4815: Assisting in veterinary care of wild animals

National Occupational Standard

Unit Code	AGR/N4815
Unit Title (Task)	Assisting in veterinary care of wild animals
Description	This OS unit is about assisting veterinarian in care of wild animals.
Scope	<p>This unit/task covers:</p> <p>Basic of health management in the context of captive breeding / reintroduction programs, preventive health care in zoo/free range wildlife besides assistance in tranquilization</p>
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Basic of health management in captive breeding / reintroduction programs.	<p>To be competent, the individual on the job must be able to:</p> <p>PC1. assist veterinarian in periodic health examination and analysis of birth and death records.</p> <p>PC2. supervise watering, feeding, cleaning of enclosures.</p> <p>PC3. help in administration of medication.</p> <p>PC4. supervise provision of behavioral and environmental enrichment for captive animals.</p>
Preventive health care for zoo / free range wild life.	<p>To be competent, the individual on the job must be able to:</p> <p>PC5. support team in following protocol on preventive care e.g. sample handling for parasitology and other routine diagnostic test, vaccination etc.</p> <p>PC6. follow bio-security guideline.</p> <p>PC7. support team in conducting necropsy of dead animals.</p>
Assistance during tranquilization / relocation of wild animals.	<p>To be competent, the individual on the job must be able to:</p> <p>PC8. support team in following protocol.</p> <p>PC9. use basic capture and restraint equipment for various categories of wildlife.</p> <p>PC10. follow personal safety guideline.</p>
Handling minor injuries in zoo / wild animals.	<p>To be competent, the individual on the job must be able to:</p> <p>PC11. provide first aid and prevent further injury.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. relevant organizational policy and programs.</p> <p>KA2. understanding of supervisory structure.</p>

AGR/N4815: Assisting in veterinary care of wild animals

B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basics of common wild animal behavior and environmental requirement for them in captive situations.</p> <p>KB2. importance and common methods of wild animal conservation.</p> <p>KB3. safety guidelines in wild animal handling and handling of medication used in tranquilization.</p>
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. prepare a brief report.</p> <p>SA2. fill data sheet / health monitoring forms.</p>
	Reading Skills
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. read government / organizational guideline / manuals.</p> <p>SA4. keep abreast with the latest knowledge on wild life from various sources.</p>
	<p>Oral Communication (Listening and Speaking skills)</p> <p>The user/individual on the job needs to know and understand how to:</p> <p>SA5. discuss task lists, schedules, etc. with co-workers</p>
B. Professional Skills	Decision Making
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. Make decisions related to approaching and restraining of wild animals.</p>
	Plan and Organize
	<p>The user/individual on the job needs to know and understand:</p> <p>SB2. How to plan various activities.</p>
	Skills of using computer / electronic gadgets and other communication tools.
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. Use handheld GPS and other mobile devices etc.</p>

AGR/N4815: Assisting in veterinary care of wild animals

NOS Version control

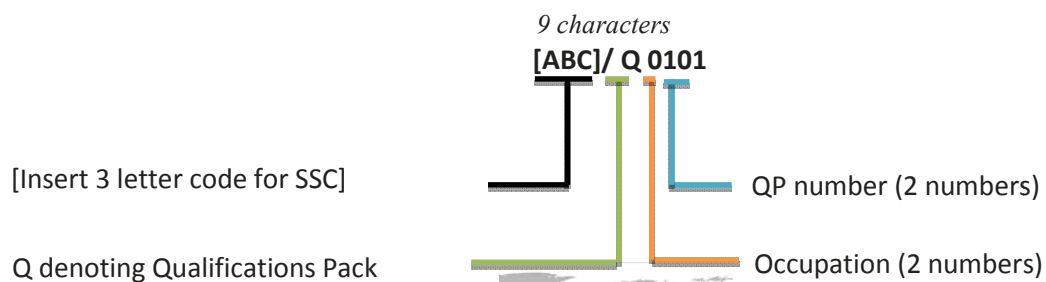
NOS Code	AGR/N4815		
Credits NSQF	TBD	Version number	1.0
Industry	Agriculture & Allied	Drafted on	09/12/2014
Industry Sub-sector	Agriculture Allied Activity	Last reviewed on	23/12/2014
Occupation	Livestock Health Management	Next review date	23/12/2015



Annexure

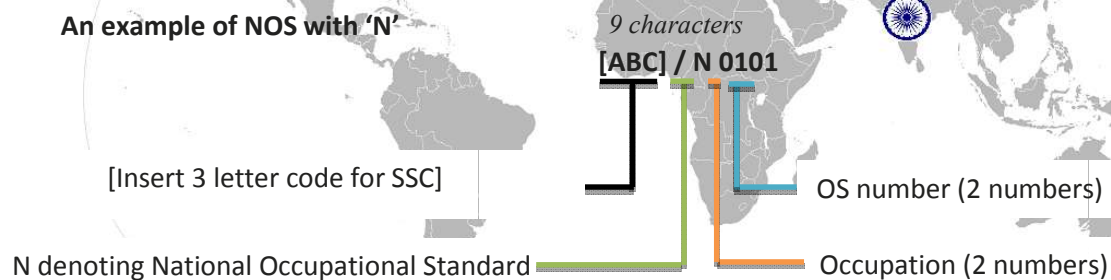
Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard

An example of NOS with 'N'



Sub-sector	Range of Occupation numbers
Agriculture Crop Production	01 – 40
Agriculture Allied Activities	41 – 60
Forestry, Environment and Renewable Energy Management	61 - 70
Agriculture Industries	71 – 90
Generic Occupations	96 - 99

Sequence	Description	Example
Three letters	Industry name	AGR
Slash	/	/
Next letter	Whether QP or NOS	Q or N
Next two numbers	Occupation code	01
Next two numbers	OS number	01

Note:

- The range of occupation numbers have been decided based on the number of existing and future occupations in a segment
- Occupation numbers from 91 – 95 have been intentionally left blank to accommodate any emerging segment in future.

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Veterinary Clinical Assistant

Qualification

Pack

AGR/Q4802

Sector Skill

Council

Agriculture

Guidelines for Assessment:

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.

2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.

3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)

4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria

5. To pass the Qualification Pack, every trainee should score a minimum of 50% in aggregate and 30% in each NOS

6. The marks are allocated PC wise, however, every NOS will carry a weightage in the total marks allocated to the specific QP.

					Marks Allocation	
NOSs	Element	PCs	Total Mark (1400)	Out Of	Theory	Skills Practical
1. AGR/ N4801 Controlling / restraining of animals	Understand normal animal behavior , stimulus and responses of handled species (including common laboratory animals)	PC1. prepare and make the animal to cooperate during handling.	100	20	5	15
	Apply general principles of animal handling and safety guidelines.	PC2. determine flight zone and point of balance of the animal and approach, hold animal securely and safely.		15	5	10
		PC3. achieve minimum stress and injury to the animal.		5	3	2
		PC4. ensure zero accident.		5	3	2
	Use of tools and equipment to restrain animals	PC5. to be able to follow the prescribed procedures related to each tools and equipment.		30	5	25
	Understanding of safety issues in the work environment	PC6. protect oneself from any physical injury arising out of animal handling		5	3	2
		PC7. use various personal protective materials / equipment.		10	5	5
		PC8. assess the risk of diseases which		10	10	0

		can be transmitted from animal to human.				
				10 0	39	61
2. AGR/ N4802 Implementing regular preventive animal health care program	Animal data recording	PC1. use point of care / field data collection tools (including electronic / mobile based data collection) as per given specifications.	100	5	2	3
		PC2. ensure species / population or sample / geographical / specific area coverage for data collection as per given instruction.		5	5	0
		PC3. regularly collect and submit health, production and breeding data related to attended individual / herd of animals to appropriate authority on time as per given format / criteria.		5	5	0
	Risk assessment and identification of preventable endemic disease(s)	PC4. undertake appropriate action which is just for a farmer / client as far as preventing occurrence of preventable known disease(s) in his / her animal / farm is /are concerned.		5	5	0
	Review of standing technical guideline on control of scheduled / notified disease(s)	PC5. take only such actions / use product / follow procedure which is prescribed in the guideline for the scheduled diseases (s).		5	2	3
	Communication of business / health risk and bio-security related information to client.	PC6. create future demand for preventive services by appropriately communicating the risk.		5	3	2
		PC7. ensure high rate of voluntary compliance of bio-security norms.		7	5	2
	Scheduling of vaccination program	PC8. schedule vaccination program at appropriate time ensuring technical requirement related to environment and convenience of farmer / client.		5	5	0
	Pre and post vaccination care	PC9. identify sick animals or animals not fit for vaccination.		5	5	0
		PC10. be prepared to face any emergency situation following vaccination.		5	5	0

		PC11. report side-effect (if any)		5	5	0
	Handling and Administration of vaccines	PC12. conduct self-evaluation of procedure of procurement / infrastructure for storage etc. and use of vaccines from appropriate source only.				
		PC13. ensure cold chain and compliance of other guideline during transport to farmers / clients place and point of use.		5	5	0
		PC14. rotate vaccine stock in hand so that oldest vaccines are used first, ensuring that no vaccine is used after expiration date.		5	5	0
		PC15. follow all scientific guideline related to vaccine administration procedure e.g. Use of appropriate dose, use of separate syringe for different vaccines etc.		10	3	7
	Preventive De-worming	PC16. follow local area guideline regarding species, age and season of de-worming.		5	5	0
		PC17. use only permissible products, following appropriate dose and procedure of administration (As per directive of supervising veterinarian)		2	2	0
	Spraying of animals / birds or use of other method for control of ecto-parasites	PC18. use only permissible products, following appropriate dose and procedure of use / application.		2	2	0
		PC19. ensure scale of operation by involving maximum number of farmers in a given area.		1	1	0
		PC20. take precaution for minimum effect on animal / immediate environment.		2	0	2
	Record keeping of preventive interventions, monitoring and follow up	PC21. ensure record of given vaccine and administration related information (individual / herd level) along with batch numbers etc. as per given format.		2	1	1
		PC22. timely report vaccine failure to appropriate authority as per format.		1	1	0
		PC23. support laboratory for sample test etc. as per directive for monitoring of success of vaccination program.		2	2	0
		PC24. ensure herd coverage and continuity of vaccination program.		1	1	0
				10	80	20
3. AGR/ N4803 Provisional Diagnosis of common animal diseases (Recording of observation.	PC1. communicate with owner to record presenting complaint, history of events, present and previous illness / treatment (at individual / herd level).	100	5	1	4

including poisoning and injury)					
		PC2. interpret existing record.	8	3	5
		PC3. help client / farmer in filling up of daily health (including herd health in farm condition) monitoring proforma as suggested by supervising veterinarian or as per standard manual.	5	1	4
		PC4. note changes in daily care /rearing / husbandry practices and in immediate environment.	5	1	4
		PC5. guide client / farmer on ways to handle diseased animals (e.g. isolation, cleaning of waste etc.).	5	1	4
		PC6. ensure early reporting of ailments from clients / farmers.	3	2	1
	Recording of symptoms, abnormality of structure and functions.	PC7. describe physical symptoms / abnormality as per approved manuals for common disease symptoms.	8	5	3
		PC8. conduct and interpret body scoring	8	2	6
	Prepare animals and record finding of diagnostic physical test	PC9. accurately conduct and report diagnostic physical test as prescribed in manuals.	8	3	5
	To conduct provisional diagnosis	PC10. understand and conduct a preliminary differential diagnosis for communication to supervising veterinarian (where required)	5	2	3
		PC11. diagnose common ailments and poisoning.	7	2	5
	Assist in conducting post-mortem examination.	PC12. take history of death and avoid post mortem in suspected case of anthrax.	3	3	0
		PC13. arrange the examination in proper lighting condition and at a schedule place.	2	2	0
		PC14. follow standard procedure in opening of the carcass or as directed by veterinarian.	5	1	4
		PC15. collect samples, record common finding as dictated by veterinarian following format and rule prescribed in prevention and control of infectious and contagious diseases in animals (manner of post mortem examination and disposal of carcass) rules, 2010.	5	1	4
		PC16. ensure disinfection of the place where post mortem was conducted	3	1	2

	Suggest and assist in laboratory test.	PC17. understand and communicate regarding basic laboratory test options.		5	2	3
		PC18. collect samples for laboratory test as per approved manual.		5	2	3
	Collection and dispatching of samples to laboratory for disease diagnosis.	PC19. follow guideline / manual.		5	2	3
				100	37	63
4. AGR/ N4804 Providing curative treatment for common animal diseases	Consult supervising veterinarian on prognosis and line of treatment.	PC1. communicate with supervising veterinarian on onset, physical state of animal(s), degree of symptoms, location and economic factors.	100	25	10	15
		PC2. value right of animal owners such as right to co-operate, quality and continuity of services.		5	5	0
		PC3. communicate with animal owners on prescribed treatment, cost implication, possible affects, importance of continuity of treatment, important instructions (including use of products) to be followed etc.		15	8	7
	Provide initial care for observed common symptoms as per manual	PC4. follow the procedures as prescribed in manual		15	5	10
	Administer fluid therapy / intra mammary infusion as per prescription.	PC5. determine suitability of the animal condition (at the point of care) to receive prescribed fluid therapy.		5	3	2
		PC6. use required kits, devices e.g. iv catheters accurately		5	2	3
		PC7. follow aseptic procedure and comfort need of animals under treatment while administering		5	2	3
	Compounding and dispensing medicines as per prescription and under condition of drug license.	PC8. follow dispensing process as per the manual of state drug authority.		5	3	2
		PC9. follow guideline on permissible and extent of use of compounded preparation in animal treatment including material used in such compounding.		5	3	2
	Administer	PC10. prepare / restrain animals for		3	0	3

	drugs as per instruction given in prescription of supervising veterinarian.	administration of drugs.			
		PC11. prepare / reconstitute prescribed drugs (where required)		3	1
		PC12. use appropriate route / site for administration.		7	1
		PC13. help farmer / client to keep record of treatment provided.		2	1
				10	0
				44	56
5. AGR/ N4805 Veterinary first aid	Cleaning and washing of muzzle, mouth, hooves, feet etc. with antiseptic solutions	PC1. prepare aseptic solution.	100	5	2
	Treatment of non-infectious conditions like indigestion, anorexia, constipation, tympani, impaction, diarrhea etc.	PC2. diagnose emergency situation and use common suggested medications / follow precautions as per manual.		25	10
		PC3. describe common symptoms of diseases in animals and report accordingly.		15	8
		PC4. identify common infectious / scheduled animal diseases and ensure timely reporting of the same.		7	5
	Provide immediate support to accidental situations like poisoning, sun-stroke, electrocution, burn injuries etc.	PC5. identify from symptoms the cause of the accident.		8	2
		PC6. assess the severity of the accident and suggest for consultation with veterinarian.		5	5
		PC7. provide basic / immediate care as specified for each type of accidents.		15	5
	Handling of superficial wound and trauma.	PC8. to be able to stop bleeding, clean and protect the wound.		10	2
	Initial support in cases like prolapse of uterus.	PC9. to be able to ensure aseptic handling and protection of the prolapsed organ(s) before the arrival of veterinarian.		10	2
				10	0
				41	59
6. AGR/ N4816 Assistance during veterinary surgery in	Preparation of operation theater environment and surgical instruments	PC1. keep surgical environment as clean as practicable within the limits of the premises and the surgical procedure to take place.	100	5	3

hospital / clinic setting.			
		PC2. prepare / sterilize surgical equipment and materials according to guideline.	5 2 3
		PC3. place surgical equipment and materials in the correct position to support the surgical procedure.	5 2 3
	Preparation of animals for surgery	PC4. keep ready necessary information e.g. size, age, weight & clinic record on history and concurrent treatment.	5 2 3
		PC5. bring the animal safely to operation theater and restraint it appropriately.	5 2 3
		PC6. encourage the animal to feel at ease in clinical environment.	3 1 2
		PC7. identify surgical sites and ensure the appropriate pre-surgical procedure is undertaken.	7 4 3
	Assistance in administration and maintenance of anesthesia	PC8. prepare anesthetic equipment, materials and gases. (as required)	5 2 3
		PC9. observe / monitor vital signs after anesthesia as suggested by veterinarian.	5 1 4
	Providing assistance during surgery	PC10. establish the assistance that may be required for the concerned surgery.	5 4 1
		PC11. provide equipment and materials to veterinary surgeon.	5 2 3
		PC12. record information regarding surgical procedure (if any) as dictated by veterinary surgeon.	5 2 3
	Conducting non-evasive castration of animals.	PC13. appropriately use permitted equipment.	5 1 4
		PC14. ensure appropriate season (early spring or late fall) and age of the animal	5 5 0
		PC15. ensure pre-examination of animal and follow standard operating procedure (SOP) as suggested by Animal Welfare Board of India e.g. use of sedative.	5 2 3
	Handling of prolapse of uterus , dystocia and retention of placenta	PC16. follow standard operating procedure (SOP) as prescribed by organization.	5 2 3
	Conducting dehorning, debeaking, hoof trimming and tooth	PC17. to be able to follow standard operating procedure (SOP) as prescribed by organization.	5 2 3

	rasping					
	Care during recovery from surgery	PC18. ensure appropriate methods to prevent the animal interfering with wounds, dressings and catheters.		5	2	3
		PC19. recognize sign of pain and distress.		5	1	4
		PC20. obtain and record monitoring information required by veterinary surgeon correctly.		5	2	3
				10		
				0	44	56
7. AGR/ N4817 Providing companion animal care.	Companion animal grooming, brushing, bathing etc.	PC1. prepare and make the animal to cooperate during the procedure (s).	100			
				8	2	6
		PC2. conduct thorough inspection of animal's body, including the eyes, ears, mouth, throat, neck, tail, underside, legs, and paws for external parasite, injury etc.		7	2	5
		PC3. record condition of animal coat and report abnormality to veterinarian.		7	3	4
	Companion animal Management.	PC4. use appropriate and approved appliances and products.		8	3	5
		PC5. suggest on vaccination schedule and conduct routine vaccination under supervision of veterinarian.		18	7	11
		PC6. guide customers on breed selection.		8	4	4
		PC7. ensure or guide clients on pet registration with local government authority.		5	2	3
		PC8. guide customers on common behavior related problems.		5	5	0
	Retailing of products for companion animal	PC9. promote scientific feeding and quality products thereof.		5	5	0
		PC10. demonstrate retail products to customers.		8	5	3
		PC11. assist a customer to choose a product based on his / her need.		7	2	5
		PC12. use stock control system to identify the types and quantities of stock to order.		7	2	5
	PC13. keep record of transactions.	7	2	5		
				10		
				0	44	56

8. AGR/ N4818 Assistance in veterinary hospital / clinic management.	Maintenance of clinic / hospital environment	PC1. supervise cleaning of work environment consistent with any agreed specification and at the time agreed by those concerned, causing least disruption.	100	6	2	4
		PC2. supervise disposal of clinic waste as per standard procedure.		5	2	3
		PC3. ensure safety of clinic property and proper storage of chemicals (including hazardous materials), equipment.		5	2	3
		PC4. supervise front office and handle records /queries of clients and visitors.		5	2	3
		PC5. ensure safety and comfort of visitors.		5	2	3
	Admission, Care of admitted animals or animals in kennels	PC6. collect details of animal (with owner details) for which admission is required and arrange signing of consent form.		7	3	4
		PC7. ensure that the animal is safe, correctly identified and adequately restrained.		5	1	4
		PC8. select accommodation within hospital set up in a safe, secure and clean state that maintains animal health and welfare.		5	1	4
		PC9. follow directive of veterinarian regarding care requirements for in-patients.		8	2	6
		PC10. monitor patients such as in terms of faeces / urine output, flood / fluid intake, behavior, clinical parameters, pain / distress etc.		5	1	4
		PC11. replace dressing and bandages.		8	3	5
		PC12. undertake assisted feeding (where required)		5	2	3
		PC13. ensure five freedoms of animal welfare to admitted animals.		7	2	5
	Client service management in hospital setting	PC14. update client record in practice software.		7	3	4
		PC15. generate scheduled communications e.g. for periodic vaccination etc. as per standard format.		7	4	3
		PC16. promote clinic / hospital services.		5	4	1
	Client education	PC17. Prepare and display / demonstrate client education poster / presentation etc		5	1	4
				10 0	37	63

9. AGR/ N4819 Conducting common laboratory test	Collection / receipt / dispatch (to reference laboratory – where required) of samples.	PC1. collect normal samples for laboratory test as per standard procedure in the context of the test to be conducted or as directed by veterinarian.	100	18	8	10
		PC2. receive, record and mark samples sent to the laboratory for various test.		6	2	4
		PC3. pack and dispatch samples as per guideline.		5	2	3
	Common and routine laboratory test	PC4. conduct common laboratory test for disease diagnosis, feed and livestock product safely / quality.		25	10	15
		PC5. assist veterinary scientist in advanced laboratory test including those required in semen straw production centers.		5	2	3
	Maintenance of laboratory environment and utensil / equipment.	PC6. supervise cleaning process as per standard guideline.		5	2	3
		PC7. maintain utensil / equipment as per manufacturers' guideline.		5	2	3
	Caring and managing laboratory animals	PC8. follow safety measures in handling laboratory animals.		5	1	4
		PC9. follow standard operating procedure / ethical guideline as prescribed by organization.		3	3	0
	Assist in radiography of animals.	PC10. identify the area to be imaged correctly and undertake the appropriate pre-diagnostic imaging preparation.		8	3	5
		PC11. encourage the animal feel at ease in the clinical environment		4	1	3
		PC12. assist veterinarian in conducting the radiographic session.		4	1	3
		PC13. process the radiographic image correctly.		7	3	4
				100	40	60
10. AGR/ N4811 Implementati on of veterinary public health and other regulatory activities	Ante-mortem inspection of livestock	PC1. identify 'suspects' for segregation from the healthy animals and further examination by veterinarian.	100	15	5	10
				12	5	7
	Physical examination of livestock products.	PC2. assess the quality of milk / meat based on physical characteristics.		3	3	0
		PC3. report competent authority on suspected adulteration.				

	Consumer education on nutrition and food safety of livestock products.	PC4. Promote consumption of quality and safe livestock products.		5	2	3
	Carcass / animal waste disposal and by-product utilization.	PC5. follow guideline and also promote the same for scientific handling of carcass and animal waste.		12	5	7
		PC6. promote available technology for by-product utilization or link famers to enterprises handling by-products.		7	4	3
	Sustainable resource utilization and Mitigation of pollution from livestock farms	PC7. estimate water requirement, assess water use and suggest better utilization of available water.		5	3	2
		PC8. promote measurement of methane emission in organized farms and suggest / implement ways to control the same.		5	3	2
	Creation of awareness on zoonotic diseases.	PC9. list common zoonotic disease with factors responsible for their transmission.		8	8	0
	Management of quarantine facility and inter –state check gate.	PC10. explain the need of quarantine services and follow process as per organizational guideline.		8	5	3
		PC11. identify / isolate suspect cases for further confirmation by veterinarian.		5	2	3
	Reporting illegal practices / cruelty on animals.	PC12. prevent inappropriate use of antibiotics and hormones on animals and explain consequences to stakeholders.		7	7	0
		PC13. prevent cruelty and promote compassion to animals.		5	5	0
		PC14. report such cases to appropriate authority.		3	3	0
				100	60	40
11. AGR/ N4812 Implementati on of animal breeding services	Maintenance of database of good animal breeders.	PC1. help farmers / clients with information on sources of good breeding animals.	100	5	5	0
	Assistance to farmers in quality animal selection / purchase.	PC2. assist farmers / clients in selecting animal with proper breed and other characteristics for breeding purpose.		8	4	4
	Conducting artificial insemination	PC3. detect heat in animals.		8	3	5
		PC4. use semen of appropriate quality and blood level.		5	2	3
		PC5. follow protocols pertaining to biosecurity, safety, hygiene and welfare		8	3	5

		PC6. follow the prescribed procedures in handling semen straw and in conducting insemination.		15	5	10
		PC7. conduct artificial insemination in time.		5	5	0
	Assistance to farmers on management of unproductive animals.	PC8. guide farmers / clients on common infertility issues and their handling e.g. mineral supplementation etc.		8	4	4
		PC9. guide farmers on maintaining optimum number of animals based on breeding plan and suggested performance goal.		5	2	3
	Post insemination support and Performance monitoring of breeding services	PC10. conduct pregnancy diagnosis.		5	1	4
		PC11. guide / assist farmer in handling common difficulties related to animal birth.		5	1	4
		PC12. provide organization with standard required information such as semen used; time of heat, time of insemination, calf born etc. needed to monitor breeding services.		5	5	0
	Assistance in management of bull stations / semen production centers.	PC13. to be able to undertake management of breeding bulls including exercise.		5	2	3
		PC14. to prepare animals and assist in semen collection.		5	1	4
		PC15. to maintain various common equipment in semen production centers.		4	1	3
		PC16. to supervise storage and distribution of semen straws.		4	1	3
				100	45	55
12. AGR/ N4813 Assisting in animal welfare, breed conservation and disaster management	Identifying and reporting of cruelty to animals / birds.	PC1. explain the cruelty for effective reporting.	100	10	5	5
	Supporting management of human animal conflict	PC2. explain stakeholders on common prevention and protection strategies related to common conflict situation.		10	2	8
	Promotion of rearing of purebred indigenous animals	PC3. scout and engage with interested breeding farms / goshala's (Protective shelters for cows in India) for conservation of purebred animals.		10	5	5
	Supporting	PC4. help in stocking (as a		10	0	10

	disaster preparedness and handling	preparedness) and mobilization of feed / fodder at the time of disasters.			
		PC5. work with community and disaster management authorities to provide safe passage to animals / livestock.		25	3
		PC6. provide care / shelter to animal in distress		15	5
		PC7. undertake appropriate measures for carcass disposal.		10	2
		PC8. undertake culling and other measures suggested in case of disease related emergencies.		10	5
				10	0
				27	73
13. AGR/ N4814 Assisting in livestock farm management	Supervising day to day operation in a livestock / poultry farm.	PC1. delegate / prepare daily job sheet for farm laborers (in case of organized farms)	100	20	8
	Understanding of basic farm economics.	PC2. keep record and analyze financial transactions in a farm.		10	5
		PC3. explain farmers on ways to calculate cost of production / profit & loss.		10	7
	Fodder production and feeding management.	PC4. promote fodder cultivation.		10	3
		PC5. ensure intelligent procurement and quality control of feed.		10	5
	Monitoring of farm performance parameters	PC6. follow / explain common productivity related performance parameters in livestock farms.		10	5
	Implementation of bio-security in livestock and poultry farms.	PC7. implement guideline on each of the element viz. segregation, cleaning, disinfection and disposal.		15	5
		PC8. guide farmer / farm-worker on measures to be taken in connection with health, animal movement, pollution and unusual death.		15	8
				10	0
				46	54
14. AGR/ N4815 Assisting in veterinary care of wild animals (if required)	Basic of health management in captive breeding / reintroduction programs.	PC1. assist veterinarian in periodic health examination and analysis of birth and death records.	100	15	5
		PC2. supervise watering, feeding, cleaning of enclosures		10	5
		PC3. help in administration of medication.		10	3
		PC4. supervise provision of behavioral		7	3

		an environmental enrichment for captive animals.			
	Preventive health care for zoo / free range wild life.	PC5. support team in following protocol on preventive care e.g. sample handling for parasitology and other routine diagnostic test, vaccination etc.	15	5	10
		PC6. follow bio-security guideline.	8	3	5
		PC7. support team in conducting necropsy of dead animals.	8	3	5
	Assistance during tranquilization / relocation of wild animals.	PC8. support team in following protocol.	5	2	3
		PC9. use basic capture and restraint equipment for various categories of wildlife.	7	2	5
		PC10. follow personal safety guideline.	7	2	5
	Handling minor injuries in zoo / wild animals.	PC11. provide first aid and prevent further injury.	8	3	5
			10		
			0	36	64