

# **National Occupational Skill Standard (NOSS)**

**Occupational Title : Goat Keeper**

**Level : 1**

**Sector : Agriculture**

**Sub - Sector : Livestock**

**NOSS ID/NSCO ID :**

**ISCO NO :**



Council for Technical Education and Vocational Training

**NATIONAL SKILL TESTING BOARD**

Madhyapur Thimi-17, Sanothimi, Bhaktapur, Nepal

**Developed: 31-01-2021 (18-10-2077)**



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**DACUM Workshop on 2070**

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**Recommended by Agriculture Technical Sub Committee: 31 January 2021 (18 Magh 2077)**

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1	<b>Occupational Title: Goat Keeper</b> <b>Level: 1</b>
2	<b>Job Description:</b>  Goat Keeper, L-1 constructs goat shed using locally available materials, rear goats on the farm and prepare goat breeding activities.
3	<b>UNITS OF COMPETENCY:</b> <ol style="list-style-type: none"> <li>1. Construct goat shed using locally available materials.</li> <li>2. Rear goats on farm.</li> <li>3. Perform preparatory works for goat breeding management.</li> <li>4. Perform communication.</li> <li>5. Develop professionalism.</li> </ol> <p><b><i>*Note: Units 4 and 5 are not for testing purpose.</i></b></p>
4	<b>Qualifying Notes/Prerequisites:</b> <ul style="list-style-type: none"> <li>• Physical Requirements: Sound health</li> <li>• Entry Requirements: As per NSTB rules.</li> </ul> <b>Additional Information:</b> <ul style="list-style-type: none"> <li>• Assessment Types: Performance test only.</li> <li>• Assessment Duration: 4 to 6 Hours (All Competency Only)</li> <li>• Recommended Group Size: 6 to 8 candidates</li> </ul>



5	<b>Unit No: 1</b> <b>Unit Title: Construct goat shed using locally available materials.</b>	<b>Unit code:</b>
	<b>Elements of competency</b>	<b>Performance standards</b>
	1.1 Prepare tools, equipment and materials	1.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement. 1.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 1.1.3 <b>Locally available materials</b> collected and prepared in accordance with task requirements.
	1.2 Build shed	1.2.1 <b>Suitable area</b> selected for goat farming. 1.2.2 Area marked for shed construction in accordance with layout drawing. 1.2.3 Goat shed built with close and open paddocks as per the <b>standard specifications</b> . 1.2.4 Separate partitions created for goat based on <b>physiological stages</b> . 1.2.5 Feeding trough and drinker placed in accordance with layout drawing. 1.2.6 Open area secured by fence.
	1.3 Clean goat shed	1.3.1 Goat shed cleaned, disinfected and waste disposed in disposal area in accordance with <b>3R's principle</b> . 1.3.2 Record maintained and status of tools and equipment reported.
6	<b>Task Performance Requirements (Tools, Equipment and Materials):</b> <ul style="list-style-type: none"> <li>Measuring tape, pen, paper, register, calculator, pencil, eraser, sharpener, bamboo, timber, plank, <i>Nigalo</i>, rope, hammer, thatching materials, nail, screw, screw driver, shovel, pick, spade, knife, sickle, hacksaw, water, bucket, drum, step ladder, foot bath, disinfectant, lime, sprayer, soap, detergent, phenyl, broom, dust pan, dust bin, toolbox, first aid kit and personal protective equipment (PPE).</li> </ul>	



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**Safety and Hygiene (Occupational Health and Safety):**

- Use personal protective equipment.
- Safe handling of materials, tools and equipment.
- Safe handling of debris.



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8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> <li>• Tools and equipment: <ul style="list-style-type: none"> <li>○ Types</li> <li>○ Uses</li> <li>○ Safe handling</li> </ul> </li> <li>• Introduction of goat farming</li> <li>• Importance and scope of goat farming</li> <li>• Indigenous and exotic goat breeds reared in Nepal</li> <li>• Goat Shed <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Importance</li> <li>○ Types of shed</li> <li>○ Suitable land for goat farming</li> <li>○ Standard specifications</li> <li>○ Construction process</li> <li>○ Housing facilities</li> </ul> </li> <li>• Bio security measures and activities</li> <li>• Waste management</li> <li>• Occupational health and safety rules and regulations</li> <li>• Use and importance of first aid kit</li> </ul>	<ul style="list-style-type: none"> <li>• Convert imperial unit to metric unit and vice versa</li> </ul>	<ul style="list-style-type: none"> <li>• Read and interpret layout diagram</li> <li>• Read and interpret standard specification</li> </ul>



9	<b>Assessment of Competency</b>					
<b>Unit: 1</b>  <b>Unit Title: Construct goat shed using locally available resources</b>	<b>Candidate Details</b>		<b>Assessors Detail</b>			
	Candidate's Name:  Registration Number:  Symbol No:  Test Centre:		Assessors' Name  1.  2.  3.		ID/License No:	
	Test Date:					
	Element of competency	Performance Standards		Standard Met	Standard Not Met	Evidence Type
1.1 Prepare tools, equipment and materials	1.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement. 1.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 1.1.3 <b>Locally available materials</b> collected and prepared in accordance with task requirements.					
1.2 Build shed	1.2.1 <b>Suitable area</b> selected for goat farming. 1.2.2 Area marked for shed construction in accordance with layout drawing. 1.2.3 Goat shed built with close and open paddocks as per the <b>standard specifications</b> . 1.2.4 Separate partitions created for goat based on <b>physiological stages</b> . 1.2.5 Feeding trough and drinker placed in accordance with layout drawing. 1.2.6 Open area secured by fence.					



1.3 Clean goat shed	1.3.1 Goat shed cleaned, disinfected and waste disposed in disposal area in accordance with <b>3R's principle</b> . 1.3.2 Record maintained and status of tools and equipment reported.				
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**WT**- Written Test

**OQ**- Oral Question

**PT**- Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

**SN**–Simulation

**RP**- Role Play

**PG** –Photographs

**VD**- Video

**CT** – Certificates

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## Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Helmet</li> <li>• Mask</li> <li>• Apron</li> <li>• Goggles</li> <li>• Gloves</li> <li>• Safety shoes</li> </ul>
Locally available materials	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Bamboo</li> <li>• Planks</li> <li>• Timber</li> <li>• <i>Nigalo</i></li> <li>• Thatching materials: rice straw, wheat straw, Napier, <i>khar</i></li> </ul>
Suitable area	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Regular supply of water and electricity</li> <li>• Space to grow grass, crops and plants</li> <li>• Away from residential and industrial area</li> <li>• Non water logging area</li> </ul>
Standard specification	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Height</li> <li>• Ventilation</li> <li>• Elevated floors</li> <li>• Wooden floors</li> </ul>



	<ul style="list-style-type: none"> <li>• Roof</li> <li>• Geographical orientation of shed</li> </ul>
Physiological stages	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Kids</li> <li>• Buck</li> <li>• Doe</li> <li>• Pregnant</li> <li>• Lactating</li> <li>• Sick</li> </ul>
3R's principle	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Reduce</li> <li>• Reuse</li> <li>• Recycle</li> </ul>



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5	<b>Unit No: 2</b> <b>Unit Title: Rear goats on farm</b>	<b>Unit code:</b>
	<b>Elements of competency</b>	<b>Performance standards</b>
	2.1 Prepare goat shed and farm land	2.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement. 2.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 2.1.3 Materials collected and prepared in accordance with task requirements. 2.1.4 Goat shed cleaned and disinfected in accordance with <b>standard practices</b> . 2.1.5 Feeding trough and drinkers cleaned, sanitized and potable water provided ad-lib. 2.1.6 Ventilation, temperature and lighting maintained in accordance with technical requirement. 2.1.7 <b>Fodder/Forage</b> planted on the farm land. 2.1.8 Goats tagged and placed on shed.
	2.2 Perform husbandry practices	2.2.1 <b>Special care</b> provided to new born kids. 2.2.2 Kids weaned at the age of 2-3 months. 2.2.3 Male kids castrated at the age of 2-4 months. 2.2.4 Hoof trimmed without injuries and bleeding.
	2.3 Feed goats	2.3.1 Fodder/forage harvested, stored and prepared for feeding. 2.3.2 Concentrate feed prepared using <b>locally available ingredients</b> . 2.3.3 <b>Quality feed</b> provided according to body weight and <b>physiological stages</b> . 2.3.4 <b>Feed supplements</b> provided as per recommendation.
	2.4 Provide routine health care	2.4.1 Sick goat identified based on <b>behavior, signs and symptoms</b> and kept in separate shed. 2.4.2 Goat restrained in humane manner. 2.4.3 <b>First aid treatment</b> provided to goat with external injuries. 2.4.4 Temperature measured, recorded and reported to concerned authority. 2.4.5 Drug administered by <b>appropriate route</b> in recommended dose.



		<p>2.4.6 <b>Deworming</b> performed in schedule by <b>recommended methods</b>.</p> <p>2.4.7 Goat vaccinated as per vaccination schedule.</p> <p>2.4.8 Goat behaviors observed for side effects after medication/vaccination and reported to concerned authority.</p> <p>2.4.9 Record maintained for treatment, deworming and vaccination.</p>
	2.5 Clean goat shed	<p>2.5.1 <b>Materials</b> used in medication and vaccination disposed safely.</p> <p>2.5.2 Goat manure and waste materials removed from shed on regular basis.</p> <p>2.5.3 Goat shed disinfected and waste disposed in accordance with <b>3R's principle</b>.</p> <p>2.5.4 Record maintained and status of tools and equipment reported.</p>
6	<b>Task Performance Requirements (Tools, Equipment and Materials):</b>	
	<ul style="list-style-type: none"> <li>Measuring tape, pen, paper, register, calculator, pencil, eraser, sharpener, syringe, needle, rope, tag, tagging machine, net feeder, grass chopper, feed, vitamin, minerals, water, thermometer, drenching gun, castrator, nipple drinker, hoof trimmer, disinfectant, sprayer, broom, dust pan, dust bin, turpentine oil, drug, vaccine, foot bath, cool box, soap, detergent, phenyl, lime, first aid kit (cotton, gauge, bandage, forceps, scissors, antiseptic, BP handle and blade, surgical tape, Potassium permanganate) and personal protective equipment (PPE).</li> </ul>	
7	<b>Safety and Hygiene (Occupational Health and Safety):</b>	
	<ul style="list-style-type: none"> <li>Use personal protective equipment.</li> <li>Safe handling of materials, tools and equipment.</li> <li>Take precautions while handling vaccine.</li> <li>Safe handling of debris.</li> </ul>	



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> <li>Tools and equipment: <ul style="list-style-type: none"> <li>Types</li> <li>Uses</li> <li>Safe handling</li> </ul> </li> <li>Introduction of goat farming</li> <li>Importance and scope of goat farming</li> <li>Indigenous and exotic goat breeds reared in Nepal</li> <li>Goat shed and farm land preparation</li> <li>Selection of goat</li> <li>Types of fodder and forage</li> <li>Plantation, cutting and storage of fodder and forage</li> <li>Methods of feeding</li> <li>Feed processing <ul style="list-style-type: none"> <li>Wilting</li> <li>Drying</li> <li>Chopping</li> <li>Soaking</li> <li>Ensiling</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Convert imperial unit to metric unit and vice versa</li> </ul>	<ul style="list-style-type: none"> <li>Read and interpret vaccination and deworming schedule</li> </ul>



	<ul style="list-style-type: none"> <li>• Feed quality</li> <li>• Importance of nutrients</li> <li>• Nutritional requirement according to physiological stages</li> <li>• Common goat diseases</li> <li>• Behavior, signs and symptoms of sick goats</li> <li>• Characteristics of healthy goats</li> <li>• First aid treatment</li> <li>• Importance of vaccination</li> <li>• Vaccination schedule</li> <li>• Feed supplements</li> <li>• Types of worms</li> <li>• Deworming techniques</li> <li>• Farm bio security measures and activities</li> <li>• Waste management</li> <li>• Occupational health and safety rules and regulations</li> </ul>		
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9	<b>Assessment of Competency</b>					
<b>Unit: 2</b>  <b>Unit Title: Rear goats on farm</b>	<b>Candidate Details</b>		<b>Assessors Detail</b>			
	Candidate's Name:  Registration Number:  Symbol No:  Test Centre:		Assessors' Name 1. 2. 3.		ID/License No:	
	Test Date:					
	Element of competency	Performance Standards		Standard Met	Standard Not Met	Evidence Type
2.1 Prepare goat shed and farm land	2.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement. 2.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 2.1.3 Materials collected and prepared in accordance with task requirements. 2.1.4 Goat shed cleaned and disinfected in accordance with <b>standard practices</b> . 2.1.5 Feeding trough and drinkers cleaned, sanitized and potable water provided ad-lib. 2.1.6 Ventilation, temperature and lighting maintained in accordance with technical requirement. 2.1.7 <b>Fodder/Forage</b> planted on the farm land. 2.1.8 Goats tagged and placed on shed.					



2.2 Perform husbandry practices	2.2.1 <b>Special care</b> provided to new born kids. 2.2.2 Kids weaned at the age of 2-3 months. 2.2.3 Male kids castrated at the age of 2-4 months. 2.2.4 Hoof trimmed without injuries and bleeding.			
2.3 Feed goats	2.3.1 Fodder/forage harvested, stored and prepared for feeding. 2.3.2 Concentrate feed prepared using <b>locally available ingredients</b> . 2.3.3 <b>Quality feed</b> provided according to body weight and <b>physiological stages</b> . 2.3.4 <b>Feed supplements</b> provided as per recommendation.			
2.4 Provide routine health care	2.4.1 Sick goat identified based on <b>behavior, signs and symptoms</b> and kept in separate shed. 2.4.2 Goat restrained in humane manner. 2.4.3 <b>First aid treatment</b> provided to goat with external injuries. 2.4.4 Temperature measured, recorded and reported to concerned authority. 2.4.5 Drug administered by <b>appropriate route</b> in recommended dose. 2.4.6 <b>Deworming</b> performed in schedule by <b>recommended methods</b> . 2.4.7 Goat vaccinated as per vaccination schedule. 2.4.8 Goat behaviors observed for side effects after medication/vaccination and reported to concerned authority. 2.4.9 Record maintained for treatment, deworming and vaccination.			
2.5 Clean goat shed	2.5.1 <b>Materials</b> used in medication and vaccination disposed safely. 2.5.2 Goat manure and waste materials removed from shed on regular basis. 2.5.3 Goat shed disinfected and waste disposed in accordance with <b>3R's principle</b> . 2.5.4 Record maintained and status of tools and equipment reported.			



**WT**- Written Test

**OQ**- Oral Question

**PT**- Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

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**PG** –Photographs

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## Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Helmet</li> <li>• Mask</li> <li>• Apron</li> <li>• Goggles</li> <li>• Gloves</li> <li>• Safety shoes</li> </ul>
Standard practices	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Liming</li> <li>• Spraying</li> <li>• Foot bath</li> </ul>
Fodder/Forage	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Legume</li> <li>• Non legume</li> <li>• Annual</li> <li>• Perennial</li> </ul>
Special care	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Navel treatment</li> <li>• Additional heat</li> <li>• Colostrum feeding</li> <li>• Creep feeding/weaning</li> <li>• Feeding orphan kids</li> </ul>



Locally available ingredients	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Maize</li> <li>• Rice bran</li> <li>• Rice polish</li> <li>• Oil cake</li> <li>• Soyabean</li> <li>• Wheat bran</li> </ul>
Quality feed	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Free from mould and fungus</li> <li>• Free from foreign particles</li> <li>• Free from off flavour</li> <li>• Free from abnormal texture</li> </ul>
Physiological stages	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Kids</li> <li>• Buck</li> <li>• Doe</li> <li>• Pregnant</li> <li>• Lactating</li> <li>• Sick</li> </ul>
Feed supplements	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Vitamin</li> <li>• Minerals</li> </ul>



Behavior, signs and symptoms	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Fever</li> <li>• Reduced feed intake</li> <li>• Abnormal breathing</li> <li>• Abnormal gait</li> <li>• Tremor and excitement</li> <li>• Abnormal discharges</li> </ul>
First aid treatment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Dressing</li> <li>• Bandaging</li> <li>• Splint</li> <li>• Bleeding control</li> </ul>
Appropriate route	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Topical</li> <li>• Oral</li> <li>• Intra-muscular</li> <li>• Sub cutaneous</li> </ul>
Deworming	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Ectoparasites control: Ticks, Mites, Lice and Fleas</li> <li>• Endoparasites control: Roundworm, Tapeworm</li> </ul>



Recommended methods	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Oral</li> <li>• Dipping</li> <li>• Sub cutaneous injection</li> <li>• Spray</li> <li>• Local application</li> </ul>
Materials	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Vials</li> <li>• Bottles</li> <li>• Containers</li> <li>• Strips</li> <li>• Syringe and needle</li> <li>• Sachet</li> <li>• Cotton</li> <li>• Gauge</li> <li>• Bandage</li> <li>• Gloves</li> </ul>
3R's principle	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Reduce</li> <li>• Reuse</li> <li>• Recycle</li> </ul>



5	<b>Unit No: 3</b> <b>Unit Title: Perform preparatory works for goat breeding management</b>	<b>Unit code:</b>
	<b>Elements of competency</b>	<b>Performance standards</b>
	3.1 Prepare breeding shed	<p>3.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement.</p> <p>3.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement.</p> <p>3.1.3 Materials collected and prepared in accordance with task requirements.</p> <p>3.1.4 Breeding shed cleaned and disinfected.</p> <p>3.1.5 Feeding trough filled with potable water ad-lib.</p> <p>3.1.6 <b>Quality feed</b> provided according to body weight and <b>physiological stages</b>.</p>
	3.2 Rear breeding male and female	<p>3.2.1 Male and female goats reared separately after 4 to 5 months.</p> <p>3.2.2 Breeding male and female selected according to <b>physical characteristics</b>.</p> <p>3.2.3 Breeding buck reared in the ratio of 1:30 female.</p> <p>3.2.4 Pregnant doe segregated before 15 to 30 days of parturition.</p> <p>3.2.5 Lactating doe kept separately.</p> <p>3.2.6 <b>Additional ration</b> provided according to physiological stages.</p>
	3.3 Perform husbandry practices	<p>3.3.1 <b>Deworming</b> performed in schedule by <b>recommended methods</b>.</p> <p>3.3.2 Goat vaccinated as per vaccination schedule.</p> <p>3.3.3 Male goats except breeding buck castrated without injuries and excessive bleeding.</p> <p>3.3.4 Hoof trimmed without injuries and excessive bleeding.</p> <p>3.3.5 Heat detected by external <b>signs and behavior</b>.</p> <p>3.3.6 Doe in heat mated within 12 to 24 hours.</p>
	3.4 Clean goat breeding shed	<p>3.4.1 <b>Materials</b> used in medication and vaccination disposed safely.</p> <p>3.4.2 Goat manure and waste materials removed from shed on regular basis.</p> <p>3.4.3 Goat shed disinfected and waste disposed in accordance with <b>3R's principle</b>.</p> <p>3.4.4 Tools and equipment cleaned, stored and record maintained.</p>



6	<p><b>Task Performance Requirements (Tools, Equipment and Materials):</b></p> <ul style="list-style-type: none"> <li>Measuring tape, pen, paper, register, calculator, pencil, eraser, sharpener, rope, net feeder, grass chopper, feed, vitamin, minerals, water, drenching gun, castrator, nipple drinker, hoof trimmer, disinfectant, sprayer, broom, dust pan, dust bin, turpentine oil, drug, vaccine, foot bath, cool box, soap, detergent, phenyl, lime, first aid kit (cotton, gauge, bandage, forceps, scissors, antiseptic, BP handle and blade, surgical tape, Potassium permanganate) and personal protective equipment (PPE).</li> </ul>
7	<p><b>Safety and Hygiene (Occupational Health and Safety):</b></p> <ul style="list-style-type: none"> <li>Use personal protective equipment.</li> <li>Safe handling of materials, tools and equipment.</li> <li>Take precautions while handling vaccine.</li> <li>Safe handling of debris.</li> </ul>



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> <li>Tools and equipment: <ul style="list-style-type: none"> <li>Types</li> <li>Uses</li> <li>Safe handling</li> </ul> </li> <li>Importance of goat selection</li> <li>Selection criteria for breeding male and female</li> <li>Preparation of breeding shed</li> <li>Pregnant doe management</li> <li>Management of new born kids</li> <li>Quality feed</li> <li>Feeding method and process</li> <li>Nutritional requirement according to physiological stages</li> <li>Castration of male goat</li> <li>Types of castrator</li> <li>Common signs of heat</li> <li>Inbreeding and its negative impact</li> <li>Common reproductive disorder</li> <li>Gestation period</li> </ul>	<ul style="list-style-type: none"> <li>Convert imperial unit to metric unit and vice versa</li> </ul>	Read and interpret vaccination and deworming schedule



	<ul style="list-style-type: none"> <li>• Types of worm</li> <li>• Deworming techniques</li> <li>• Importance of vaccination</li> <li>• Vaccination schedule</li> <li>• Feed supplements</li> <li>• Waste management</li> <li>• Occupation health and safety rules and regulations</li> <li>• Use and importance of first aid kit</li> </ul>		
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9	<b>Assessment of Competency</b>						
<b>Unit: 3</b> <b>Unit Title: Perform preparatory works for goat breeding management</b>	<b>Candidate Details</b>		<b>Assessors Detail</b>				
	Candidate's Name:		Assessors' Name		ID/License		
	Registration Number:		1.		No:		
	Symbol No:		2.				
Test Centre:		Test Date:		3.			
Element of competency	Performance Standards			Standard Met	Standard Not Met	Evidence Type	Comments
3.1 Prepare breeding shed	3.1.1 <b>Personal protective equipment (PPE)</b> used in accordance with task requirement. 3.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 3.1.3 Materials collected and prepared in accordance with task requirements. 3.1.4 Breeding shed cleaned and disinfected. 3.1.5 Feeding trough filled with potable water ad-lib. 3.1.6 <b>Quality feed</b> provided according to body weight and <b>physiological stages</b> .						
3.2 Rear breeding male and female	3.2.1 Male and female goats reared separately after 4 to 5 months. 3.2.2 Breeding male and female selected according to <b>physical characteristics</b> . 3.2.3 Breeding buck reared in the ratio of 1:30 female. 3.2.4 Pregnant doe segregated before 15 to 30 days of parturition. 3.2.5 Lactating doe kept separately. 3.2.6 <b>Additional ration</b> provided according to physiological stages.						



3.3 Perform husbandry practices	<p>3.3.1 <b>Deworming</b> performed in schedule by <b>recommended methods</b>.</p> <p>3.3.2 Goat vaccinated as per vaccination schedule.</p> <p>3.3.3 Male goats except breeding buck castrated without injuries and excessive bleeding.</p> <p>3.3.4 Hoof trimmed without injuries and excessive bleeding.</p> <p>3.3.5 Heat detected by external <b>signs and behavior</b>.</p> <p>3.3.1 Doe in heat mated within 12 to 24 hours.</p>				
3.4 Clean goat breeding shed	<p>3.4.1 Goat manure and waste materials removed from shed on regular basis.</p> <p>3.4.2 Goat shed disinfected and waste disposed in accordance with <b>3R's principle</b>.</p> <p>3.4.3 Tools and equipment cleaned, stored and record maintained.</p>				

**WT**- Written Test

**OQ**- Oral Question

**PT**- Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

**SN**–Simulation

**RP**- Role Play

**PG** –Photographs

**VD**- Video

**CT** – Certificates

**TS** – Testimonials (Reward)

**PP** – Product Produced

**CS** – Case Study



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## Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Helmet</li> <li>• Mask</li> <li>• Apron</li> <li>• Goggles</li> <li>• Gloves</li> <li>• Safety shoes</li> </ul>
Quality feed	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Free from mould and fungus</li> <li>• Free from foreign particles</li> <li>• Free from off flavour</li> <li>• Free from abnormal texture</li> </ul>
Physiological stages	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Kids</li> <li>• Buck</li> <li>• Doe</li> <li>• Pregnant</li> <li>• Lactating</li> <li>• Sick</li> </ul>
Physical characteristics	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Strong</li> <li>• Healthy</li> <li>• Active</li> </ul>



	<ul style="list-style-type: none"> <li>• No supernumerary and inverted teats</li> <li>• Normal sex organs</li> <li>• Typical breed characters</li> </ul>
Additional ration	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Breeding</li> <li>• Steaming-up</li> <li>• Flushing</li> <li>• Lactating</li> </ul>
Deworming	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Ectoparasites control: Ticks, Mites, Lice and Fleas</li> <li>• Endoparasites control: Roundworm, Tapeworm</li> </ul>
Recommended methods	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Oral</li> <li>• Dipping</li> <li>• Sub cutaneous injection</li> <li>• Spray</li> <li>• Local application</li> </ul>
Signs and behavior	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>• Restlessness</li> <li>• Red and swollen vulva</li> <li>• Frequent micturition</li> <li>• Mucus discharge from vulva</li> <li>• Mounting on other animals</li> <li>• Bleating</li> </ul>



Materials	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>● Vials</li> <li>● Bottles</li> <li>● Containers</li> <li>● Strips</li> <li>● Syringe and needle</li> <li>● Sachet</li> <li>● Cotton</li> <li>● Gauge</li> <li>● Bandage</li> <li>● Gloves</li> </ul>
3R's principle	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> <li>● Reduce</li> <li>● Reuse</li> <li>● Recycle</li> </ul>



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