

Syllabus For GOAT HUSBANDRY

Course Name	GOAT HUSBANDRY
Sector	AGRICULTURE
Course Code	AGR/2021/GOHU/110
Level	4 (RPL)
Occupation	GOAT HUSBANDRY
Course Duration	Total Duration 35 Hrs (OJT)
Trainees' Entry Qualification	Class VIII Pass with 5 years experience in the relevant field
Trainers Qualification	<p>For Domain training Diploma in Veterinary Sciences / Animal Husbandry) with 05 years of relevant work experience OR/ B. V. Sc. & A.H. with 1 year field experience OR/ B. Sc. Animal Science with 2 years of relevant work experience</p> <p>For training on entrepreneurship skill / project proposal Experienced Bankers / CA / Accountant / Other officials etc</p>

Structure of Course:

Module No.	Module name	Total (Hrs)
1	Basic Concept about Goat Husbandry Practices	2
2	Scientific Housing & Management in Goat Husbandry	2.5
3	Nutrition & Feeding Management in Goattery	2.5
4	Breeding and reproduction in Goat Husbandry	3
5	Health and disease management in Goat Husbandry	5
6	Concept of cash flow, Project report/Proposal and different schemes to avail loan & their application procedure in Goat Husbandry	8
7	Farm visit, Group work/case study in group for domestic poultry farming, Doubt clearing session with setting of goal in Goat Husbandry	11
8	Self-Employment skilling under Utkarsha Bangla	1

	TOTAL	35
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SYLLABUS:

S.N.	Topics	Total Duration (Hrs)
Basic Concept about Goat Husbandry Practices:		
1	Brief history about Goatery industry in India & in W.B. <input type="checkbox"/> Different indigenous & Exotic breeds of Goat <input type="checkbox"/> Different body parts of Goat animals (Pr) <input type="checkbox"/> Selection of Goat, Maintenance of registers (Pr) <input type="checkbox"/> Concept of commercial and low cost Goat Husbandry	2
Scientific Housing & Management in Goat Husbandry		
2.	Scientific shed for profitable goat husbandry (Pr) Sub-optimal growth of animals, Restraining of goat <input type="checkbox"/> Practice of weighing before sale of animals, <input type="checkbox"/> Need and process of organization of goat farmers (Pr). <input type="checkbox"/> Market survey and identification of local demand & availability (Pr) <input type="checkbox"/> Advantages of FPO (Pr), <input type="checkbox"/> Maintenance of production register (Pr) Identification through tagging (Pr)	2.5
Nutrition & Feeding Management in Goattery		
3.	Concept of protein, fat, carbohydrate, mineral, vitamin and water <input type="checkbox"/> Concept of roughage and concentrate <input type="checkbox"/> Green fodder management: Fodder plot development/Azolla production/ hydroponic production/ tree-leaves/ etc. (Pr) <input type="checkbox"/> Enrichment of straw (Pr) <input type="checkbox"/> Production of concentrate mixture at home/ formulation (Pr) <input type="checkbox"/> Concept of balanced ration (Pr) <input type="checkbox"/> Concept of gut-health and hepato-biliary system in context of best Utilization of feed.	2.5
Breeding and reproduction in Goat Husbandry		
4	Concept of breed and different goat breeds with special reference to Black Bengal breed. (Pr) <input type="checkbox"/> Concept of estrus cycle, silent heat, irregular heat, absence of heat, etc. <input type="checkbox"/> Concept of infertility and management, <input type="checkbox"/> Retention of placenta & management <input type="checkbox"/> Concept of good quality buck and doe selection & buck exchange (Pr) <input type="checkbox"/> Maintenance of breeding register (Pr)	3
Health and disease management in Goat Husbandry		
5	Important preventive and systemic diseases and their management, <input type="checkbox"/> deworming and vaccination schedule (Pr), <input type="checkbox"/> <input type="checkbox"/> Udder health in context of mastitis (Pr)	5

S.N.	Topics	Total Duration (Hrs)
	<ul style="list-style-type: none"> ☑ Management of bloat (Pr) ☑ Maintenance of health register (temp., rumination, ecto-parasite, urination, defecation, etc.) (Pr) Mortality due to PPR and pneumonia, 	
Concept of cash flow, Project report/Proposal and different schemes to avail loan & their application procedure in Goat Husbandry		
6	<ul style="list-style-type: none"> Investment (capital and working capital) ☑ Income, ☑ Repayment of bank loan with interest ☑ Concept of gross profit and net-profit, ☑ Insurance, ☑ Concept of depreciation ☑ Maintenance of stock register ☑ Maintenance of cash-book Concept of term loan and cash credit loan ☑ KCC-AH, ☑ SHG / FPO bank linkage ☑ Mudra-Yojna and similar schemes of the Govt. ☑ General procedure to avail term loans 	8
Farm visit, Group work/case study in group for domestic poultry farming, Doubt clearing session with setting of goal in Goat Husbandry		
7	<ul style="list-style-type: none"> Breeds of goat ☑ ☑ Application of medicine (different routes) ☑ Observation of animals (temp., rumination, ecto-parasite, urination, Defecation, onset of heat etc.) ☑ Demonstration of good quality breeding buck and doe, ☑ Demonstration of fodder plot, azolla pit, hydroponic units, enrichment of straw, preparation of concentrate in home, hay, silage, etc ☑ Demonstration of weighing of animals by spring balance. ☑ Interaction with successful farmers/ SHGs/FPO etc. ☑ Allocation of time for healthcare management, nutrition, breeding, record keeping, institutional linkages (with BLDO office/ AHC/ Bank/KVK etc.), marketing and miscellaneous. The trainees may be divided into 6 groups and each group to be provided one broad topic covered during first three days in different sessions. ☑ Trainees are required to brain-storm on the topic for 1 hour, and then make presentation ☑ Based on their presentations, their learning gaps may be identified and addressed accordingly. ☑ Each of the trainees is required to come up with their activity timeline (goal) as far their enterprise is concerned. All trainees would be encouraged to come up with their doubts Whatsoever. All doubts are required to be cleared in this session. ☑ Based on their activity timeline, long term follow up plan of the ARD Dept. will be shared with the trainees. 	11
8.	Self-Employment skilling	1
Total:		35

S. No	Learning outcomes	Estimated size (Learning hours)
1	Basic Concept about Goat Husbandry Practices	2
2	Scientific Housing & Management in Goat Husbandry	2.5
3	Nutrition & Feeding Management in Goattery	2.5
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8.	Self-Employment skilling under Utkarsha Bangla	1
Total:		35

LIST OF TOOLS & EQUIPMENTS: MODEL COURSE ON GOAT HUSBANDRY

LIST OF GENERAL TOOLS & EQUIPMENTS: (For Batch of 30 Candidates)			
S No.	Name of the Tool & Equipment	Specification	Quantity
1.	Laptop & LCD Projector,	Standard & available size	01 each
2.	White board, Marker,	5'X4'	01-02 each
3.	Record book, Balanced Feed Chart,	Standard & available size	02-03 each
4.	Public address system	-Do-	01 No

N.B.: To conduct Practical for trainees on related trade/discipline, a demonstration farm with minimum 05-06 Nos. Bengal Goats are prerequisite for hands-on skill development in training.

S No.	Name of the Farm Equipment's	Specification	Quantity
1.	Goat shed@ 12-15 Sqft / animal	Space:06X 06Nos.	50-75 Sqft.
2.	Goat feeder & Waterer	Standard & available size	01No /animal
3.	Bradizzo Castrator, Drencher	-Do-	01-02 Nos.
4.	Stethoscope & Thermometer	-Do-	01-02 Nos.
5.	Chemicals, disinfectants, lime etc.	-Do-	02-03 each
6.	Vaccinator, Vaccines & First aid kit.	-Do-	02-03 each
7.	Measuring tape, Wt. Balance, Fan, etc.	-Do-	01-02 each

Alternately,

To conduct Practical for trainees on related trade/discipline, attachment of the training Centre with Animal Health Centre OR Farm are prerequisite for hands-on skill development in training with availability of following farm equipment:

Cryo-can – 1 no.

AI gun, sheath – 1 each

Liq. Nitrogen – Min 3-7 ltrs

Injection needle & syringe of different dimensions – 1 set each,

Casting rope - 1,
Travis - 1,
Vaccine preservation method – 1 unit,