

## **DAIRY FARM WORKER (DFMWA)**

### **Syllabus**

(Safety Practices 25 Hrs, Theory 100 Hrs, Practical 450 Hrs, Employability Skill 75 Hrs)

#### **Details of Theory & Practical Syllabus**

<b>Sl. No</b>	<b>CONTENT</b>	<b>DETAILS</b>	<b>HOURS</b>
<b>1</b>	<b>Introduction - Identify different breeds of cattle, their means of selection and importance of a dairy farmer. (10Hrs)</b>		
	<b>Theory</b>	<ul style="list-style-type: none"><li>1.1 Explain general discipline to be maintained in the class room &amp; field. (Do's &amp; Don'ts)</li><li>1.2 Explain the role of a Dairy Farmer</li><li>1.3 Identify different indigenous and exotic breeds of cattle.</li><li>1.4 Identify the high milk yielding varieties.</li><li>1.5 Demonstrate ways of selection of cattle.</li><li>1.6 Explain means of differentiating healthy and sick animals.</li><li>1.7 Trainee will be able to learn and practice basic reading capabilities to enable reading of signs, notices and/or cautions at site.</li></ul>	<b>10</b>
	<b>Practical</b>		<b>0</b>
<b>2</b>	<b>Prepare and Maintain Livestock Accommodation (90 Hrs)</b> <b>- Illustrate ways of identifying and maintaining livestock accommodation, equipment, materials and waste.</b>		
	<b>Theory</b>	<ul style="list-style-type: none"><li>1. Prepare animal accommodation which achieves the best balance between animal health and well-being and available resources, consistent with relevant legislation</li><li>2. Prepare and maintain equipment, tools and materials required for livestock accommodation</li><li>3. Follow cleaning routine in accordance with supervisor's instructions.</li><li>4. Dispose of waste according to established workplace procedures</li><li>5. Report any hazards identified, to the supervisor immediately</li><li>6. Maintain accommodation in a safe and clean condition for livestock</li><li>7. Replenish materials and supplies as required by livestock</li><li>8. Clean tools and equipment and maintain according to established workplace procedures</li><li>9. Store equipment safely and securely in the assigned location</li><li>10. Use working methods and systems which promote health and safety and which are consistent with relevant legislation and codes of practice</li><li>11. Take the appropriate action when monitoring reveals problems or issues with the accommodation</li></ul>	<b>15</b>

	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. Layout of houses for dairy animals – conventional housing and loose housing</li> <li>2. Prepare and maintain equipment, tools and materials required for livestock accommodation</li> <li>3. Dispose of waste according to established workplace procedures</li> <li>4. Cleaning and disinfection of cowshed</li> </ol>	75
<b>3</b>	<b>Establish Livestock within Accommodation (65 Hrs)</b> - Explain all the ways suitable to establish livestock within the accommodation, maintaining their health, cleanliness, safety and minimum stress		
	<b>Theory</b>	<ol style="list-style-type: none"> <li>1. Wear suitable personal protective equipment when establishing livestock in their accommodation</li> <li>2. Check that the equipment, materials and accommodation are suitable for reception of the livestock, prior to their arrival</li> <li>3. Establish suitable environmental conditions for the animals</li> <li>4. Handle and move the livestock correctly and safely, according to supervisor's instructions</li> <li>5. Introduce livestock into the accommodation in a way that minimizes stress and maintains their health and welfare</li> <li>6. Deal with any difficulties arising according to established workplace procedures</li> <li>7. Carry out your work according to relevant legislation and codes of practice.</li> <li>8. Monitor the livestock carefully, to ensure their ongoing health and welfare is maintained</li> <li>9. Monitor environmental conditions carefully to ensure that they promote the health and well-being of livestock</li> <li>10. Adjust and replenish materials as required by the livestock</li> <li>11. Arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification</li> <li>12. Carry out cleaning routines of animals as per prescribed procedures.</li> <li>13. Arrange for regular disposal of animal waste and other wastes as per prescribed procedures</li> <li>14. Report problems that cannot be dealt with to the supervisor immediately</li> </ol>	10
	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. Wear suitable personal protective equipment when establishing livestock in their accommodation</li> <li>2. Check that the equipment, materials and</li> </ol>	55

		<p>accommodation are suitable for reception of the livestock, prior to their arrival</p> <ol style="list-style-type: none"> <li>Handle and move the livestock correctly and safely</li> <li>Arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification</li> </ol>	
<b>4</b>	<b>Provide Feed and Water for Livestock (140 Hrs)</b> <b>Explain different ways of preparing, providing, storing &amp; maintaining the feed and water for livestock</b>		
	<b>Theory</b>	<ol style="list-style-type: none"> <li>check that the correct quantities and types of animal feed have been delivered and that they are in an acceptable condition</li> <li>Report any shortfalls or faults in delivered animal feed to the appropriate person</li> <li>Handle animal feed safely, and in a way that protects it from damage and contamination and minimizes wastage</li> <li>Store animal feed safely according to the manufacturer's recommendations, in the order in which it is to be used</li> <li>Check stored animal feed regularly for any signs of pest infestation and report this to the appropriate person straight away</li> <li>Check stock levels regularly and tell the appropriate person if stocks are low.</li> <li>Wash hands effectively before and after handling animal feed</li> <li>Obtain the equipment and materials needed to prepare and serve animal feed</li> <li>Clean work surfaces, utensils and equipment effectively before and after use</li> <li>Arrange for various feed and feed supplements essential for animal nutrition and growth</li> <li>Mix the appropriate proportions of feed and feed supplements depending on the age and stage of growth of animal</li> <li>Prepare the correct amount of animal feed as directed in the Feeding Plan in a way that minimizes wastage</li> <li>Operation and maintenance of equipment used in feed preparation e.g. chaff cutter</li> <li>Use working methods and practices throughout the process that promote health and safety</li> <li>Dispose off any stale and unusable animal feed in a safe place and put equipment and utensils away safely</li> <li>Wear suitable personal protective equipment when providing feed and water to livestock</li> <li>Supply feed to livestock according to established</li> </ol>	20

		<p>workplace procedures</p> <ol style="list-style-type: none"> <li>18. Supply clean, fresh water to the animals according to their needs</li> <li>19. Report concerns, related to the feeding and drinking habits of animals, to the supervisor immediately</li> <li>20. Monitor the condition of feed and water and take the appropriate action when problems occur</li> <li>21. Clean and maintain feed and water equipment according to established workplace procedures</li> <li>22. Dispose of waste from the feeding and watering systems safely and correctly, according to established workplace procedures</li> </ol>	
	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. check that the correct quantities and types of animal feed</li> <li>2. Handle animal feed safely</li> <li>3. Store animal feed safely according to the manufacturer's recommendations</li> <li>4. Check stored animal feed regularly for any signs of pest infestation.</li> <li>5. Check stock levels regularly</li> <li>6. Wash hands effectively before and after handling animal feed</li> </ol>	<b>120</b>
<b><u>5</u></b>	<b>Maintain Healthy Performance of Livestock (100 Hrs)</b> <ul style="list-style-type: none"> <li>- Demonstrate ways of maintaining the health and hygiene of livestock during both normal and pregnancy periods.</li> </ul>		
	<b>Theory</b>	<ol style="list-style-type: none"> <li>1. Treat animals in a manner which complies with relevant legislation, minimizes any likelihood of stress and injury, and maintains their health and well-being</li> <li>2. Provide animals with sufficient and effective opportunities to move, and maintain physical functioning</li> <li>3. Monitor the physical condition of the animals at suitable intervals, and recognize, record and report any abnormal signs</li> <li>4. Check livestock for presence of external parasites</li> <li>5. Carry out specific measures to promote and maintain animals' health and welfare correctly and safely</li> <li>6. Ensure records are accurate, legible and complete and comply with organizational and legal requirements for future reference</li> <li>7. Immediately summon assistance for any animals health emergency, and initiate action appropriate to the situation</li> <li>8. Manage waste safely and correctly in accordance with legislative requirements.</li> <li>9. Use and store drugs, medication and equipment in accordance with veterinary instructions and organizational policy</li> </ol>	<b>20</b>

		10. Use current and uncontaminated prescribed medication only for the intended animal 11. Use the correct technique to give the specified treatment at the correct time 12. Report any difficulties, in administering treatments, immediately to the supervisor 13. Complete records of the treatment accurately, according to established workplace procedures 14. Observe livestock after treatments and report concerns immediately to the supervisor	
	<b>Practical</b>	1. Monitor the physical condition of the animals at suitable intervals, and recognize, record and report any abnormal signs 2. Check livestock for presence of external parasites 3. Use and store drugs, medication and equipment in accordance with veterinary instructions and organizational policy 4. Use current and uncontaminated prescribed medication only for the intended animal 5. Use the correct technique to give the specified treatment at the correct time 6. Methods of administration of drugs	<b>80</b>
<b>6</b>	<b>Performing Hand and Machine Milking (95 Hrs)</b> - Demonstrate hand and machine milking procedure, along with identification of the equipment used, means of handling, storing & evaluating the quality of milk.		
	<b>Theory</b>	1. Maintain conducive milking environment 2. Restrain the cow in preparing her for milking 3. Prepare Udder before milking 4. Check for mastitis 5. Check and Adjust milking equipment, as required, to ensure correct operating order 6. Carry out livestock health treatments during drying off, as directed, with minimal stress and weight loss 7. Perform Milking using the right technique 8. Establish a calm regular milking routine 9. Implement milking procedures with minimum stress to livestock and maximum yield within reasonable timeframes 10. Rectify Minor malfunctions of equipment or milking systems are rectified to manufacturer's specifications, and more complex repairs are reported for specialist attention 11. Implement prescribed handling practices so as to prevent cross-infection during milking operations 12. Perform Teat dipping to prevent mastitis 13. Weigh and store the milk into milk can 14. Clean the milking pail and keep them in the	<b>20</b>

		designated place	
	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. Milking of animals and care of udder</li> <li>2. Handling of milk</li> <li>3. Field test to evaluate bacteriological quality of milk</li> <li>4. Determination of common milk adulterants – glucose, cane sugar, starch</li> <li>5. Determination of fat percentage of milk</li> <li>6. Determination of SNF of milk</li> </ol>	<b>75</b>
<b>7</b>	<b>Forage Conservation (50 Hrs)</b> <b>- Illustrate ways of identifying, conserving, storing, packing, using of animal fodder along with maintenance of fodder equipment.</b>		
	<b>Theory</b>	<ol style="list-style-type: none"> <li>1. Explore various forage conservation options based on the year round requirement of feed and fodder</li> <li>2. Identify risk factors for spoilage in forage conservation such as fire, vermin and air in silage</li> <li>3. Ensure favorable conditions suitable for forage conservation</li> <li>4. Prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements</li> <li>5. Ensure clear access to paddocks for harvesting and transport machinery</li> <li>6. Prepare storage facility for selected forage conservation method</li> <li>7. Identify safety hazards and implement OHS procedures for forage conservation</li> <li>8. Monitor weather conditions to determine optimum time for harvest and to ensure quality.</li> <li>9. Identify dry matter target and assess dry matter content of forage material for the forage operation</li> <li>10. Mow, condition, tender and/or rake swaths depending on weather conditions and forage drying targets</li> <li>11. Conduct harvesting activities in a safe, controlled and efficient manner.</li> <li>12. Check equipment during harvesting operations regularly for wear and damage</li> <li>13. Bale, wrap, compact, seal or store forage in accordance with storage plan.</li> <li>14. Load, transport, and store/compact (if required) forage in accordance with OHS and quality requirements</li> <li>15. Store forage so as to minimize risk of spoilage and combustion</li> <li>16. Dispose of all waste and debris to minimize environmental impacts</li> <li>17. Clean and service machinery and ancillary equipment in accordance with manufacturer's specifications, OHS requirements and industry practice</li> <li>18. Test or sample stored forage for quality</li> <li>19. Mitigate environmental impacts of forage</li> </ol>	<b>05</b>

		conservation activities such as effluent run off, if any	
	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. Identification of feeds and fodder</li> <li>2. Computation of ration by thumb rule</li> <li>3. Feeding of calf, heifer and cow</li> <li>4. Hay making</li> <li>5. Silage making</li> </ol>	<b>45</b>
<b>8</b>	<b>Maintain Health &amp; Safety at the workplace (25 Hrs)</b>		
	<b>Theory</b>	<ol style="list-style-type: none"> <li>1. Undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor</li> <li>2. Work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy</li> <li>3. Read and understand the hazards of use and contamination mentioned on the labels of pesticides/fumigants etc</li> <li>4. Assess risks prior to performing manual handling jobs, and work according to currently recommended safe practice</li> <li>5. Use equipment and materials safely and correctly and return the same to designated storage when not in use</li> <li>6. Dispose of waste safely and correctly in a designated area</li> <li>7. Recognize risks to bystanders and take action to reduce risk associated with jobs in the workplace</li> <li>8. Perform your work in a manner which minimizes environmental damage all procedures and work instructions for controlling risk are followed closely</li> <li>9. Report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger.</li> <li>10. Follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency</li> <li>11. Follow emergency procedures to company standard / workplace requirement</li> <li>12. Use emergency equipment in accordance with manufacturers' specifications and workplace requirements</li> <li>13. Provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques</li> <li>14. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as</li> </ol>	<b>10</b>

		appropriate <b>15. Report details of first aid administered in accordance with workplace procedures</b>	
	<b>Practical</b>	<ol style="list-style-type: none"> <li>1. Dispose of waste safely and correctly in a designated area</li> <li>2. Use equipment and materials safely and correctly and return the same to designated storage when not in use</li> <li>3. Recognize risks to bystanders and take action to reduce risk associated with jobs in the workplace</li> <li>4. Perform your work in a manner which minimizes environmental damage all procedures and work instructions for controlling risk are followed closely</li> <li>5. Use emergency equipment in accordance with manufacturers' specifications and workplace requirements</li> </ol>	<b>15</b>

### **Detail of Employability Skills Syllabus – 100 HRS- 75 HRS**

<b>Sl. No.</b>	<b>Content</b>	<b>Details</b>
1.	English Literacy & Communication Skills	<p>Accentuation (mode of pronunciation) on simple words, Diction (use of word and speech)</p> <p>Transformation of sentences, Voice change, Change of tense, Spellings. Reading and understanding simple sentences about self, work and environment. Construction of simple sentences, Writing simple English.</p> <p>Speaking with preparation on self, on family, on friends, classmates, on know, picture reading gain confidence through role-playing . Taking messages, passing messages on and filling in message forms Greeting and introductions office hospitality, Resumes or curriculum vita essential parts, letters of application reference to previous communication.</p> <p>Communication and its importance, Principles of Effective communication, Types of communication – verbal, non verbal, written, email, talking on phone. Non verbal communication – characteristics, components-Para-language, Body – language, Barriers to communication and dealing with barriers. Handling nervousness/ discomfort.</p> <p>Self awareness, Importance of Commitment, Ethics and Values, Ways to Motivate Oneself, Personal Goal setting and Employability Planning.</p> <p>Manners, Etiquettes, Dress code for an interview, Do's &amp; Don'ts for an interview, Problem Solving, Confidence Building, Attitude.</p>
2.	I.T. Literacy	<p>Introduction, Computer and its applications, Hardware and peripherals, Switching on-Starting and shutting down of computer.</p> <p>Basics of Operating System, WINDOWS, The user interface of Windows OS, Create, Copy, Move and delete Files and Folders, Use of External memory like pen drive, CD, DVD etc, Use of Common applications.</p>



		<p>Basic operating of Word Processing, Creating, opening and closing Documents, use of shortcuts, Creating and Editing of Text, Formatting the Text, Insertion &amp; creation of Tables. Printing document.</p> <p>Basics of Excel worksheet, understanding basic commands ,creating simple worksheets, understanding sample worksheets, use of simple formulas and functions, Printing of simple excel sheets</p> <p>Internet, Concept of Internet (Network of Networks), Meaning of World Wide Web (WWW), Web Browser, Web Site, Web page and Search Engines. Accessing the Internet using Web Browser, Downloading and Printing Web Pages, Opening an email account and use of email. Social media sites and its implication. Information Security and antivirus tools, Do's and Don'ts in Information Security, Awareness of IT – ACT, types of cyber crimes.</p>
3.	Entrepreneurship Skills	<p>Entrepreneurship vs. management, Entrepreneurial motivation. Performance &amp; Record, Role &amp; Function of Entrepreneur, Qualities of a good Entrepreneur, SWOT and Risk Analysis. Concept &amp; application of PLC, Sales &amp; distribution Management. Different Between Small Scale &amp; Large Scale Business, Market Survey, Method of marketing, Publicity and advertisement, Marketing Mix.</p> <p>Preparation of Project. Role of Various Schemes and Institutes for self-employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non financing support agencies to familiarizes with the Policies /Programmes &amp; procedure &amp; the available scheme. Project formation, Feasibility, Legal formalities i.e., Shop Act, Estimation &amp; Costing, Investment procedure – Loan procurement – Banking Processes.</p>
4.	Productivity & Quality Tools	<p>Definition, Necessity, Meaning of GDP.</p> <p>Personal / Workman – Incentive, Production linked Bonus, Improvement in living standard. Industry Nation.</p> <p>Skills, Working Aids, Automation, Environment, Motivation. How improves or slows down.</p> <p>Banking processes, Handling ATM, KYC registration, safe cash handling, Personal risk and Insurance.</p> <p>Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles.</p> <p>Idea of ISO 9000 and BIS systems and its importance in maintaining qualities.</p> <p>Purpose of Housekeeping, Practice of good Housekeeping.</p> <p>Basic quality tools with a few examples</p>

## Outcomes

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
<b>1. Identify different breeds of cattle, their means of selection and importance of a dairy farmer.</b>	1.7 Trainee will be able to explain general discipline to be maintained in the class room & field. (Do's & Don'ts) 1.8 Trainee will be able to explain the role of a Dairy Farmer 1.9 Trainee will be able identify different indigenous and exotic breeds of cattle. 1.10 Trainee will be able identify the high milk yielding varieties. 1.11 Trainee will be able to demonstrate ways of selection of cattle. 1.12 Trainee will be able to explain means of differentiating healthy and sick animals. 1.13 Trainee will be able to learn and practice basic reading capabilities to enable reading of signs, notices and/or cautions at site.
<b>2. Illustrate ways of identifying and maintaining livestock accommodation, equipment, materials and waste.</b>	2.1 Trainee will be able to explain the accommodation needs of livestock maintaining a balance between animal health and well-being and available resources, consistent with relevant legislation. 2.2 Trainee will be able to demonstrate how to use working methods and systems which promote health and safety and which are consistent with relevant legislation and codes of practice 2.3 Trainee will be able to identify the different types of accommodation, such as Head to Head or face-in type, Tail to tail or face-out type. 2.4 Trainee will be able to identify the different Layout of houses for dairy animals – conventional housing and loose housing. 2.5 Trainee will be able to explain how to maintain accommodation in a safe and clean condition for livestock, follow cleaning routine, replenish materials and supplies as required by livestock in accordance with supervisor' instructions. 2.6 Trainee will be able to illustrate how to plan and follow the routine cleaning & disinfection of animal shed. 2.7 Trainee will be able to explain the <b>appropriate</b> action to be taken when monitoring reveals problems or issues with the accommodation, report any hazards identified, to the supervisor. 2.8 Trainee will be able to identify equipment, tools and materials required for livestock accommodation. 2.9 Trainee will be able to explain how to maintain equipment, tools and materials required for livestock accommodation according to established workplace procedures.
	2.10 Trainee will be able to demonstrate cleaning of tools and equipment and storing them safely and securely in the assigned location. 2.11 Trainee will be able to explain the different methods of waste handling/ management, according to established workplace procedures

<b>3. Explain all the ways suitable to establish livestock within the accommodation, maintaining their health, cleanliness, safety and minimum stress</b>	<p>3.1 Trainee will be able to demonstrate how to wear the required suitable personal protective equipment while establishing livestock in accommodation.</p> <p>3.2 Trainee will be able to illustrate how to check the equipment, materials and environment condition of the accommodation is suitable before establishing livestock within it.</p> <p>3.3 Trainee will be able to state how to establish suitable environmental conditions for the animals, handle and move the livestock correctly and safely, minimizing stress and maintaining their health and welfare.</p> <p>3.4 Trainee will be able to demonstrate how to handle and move the livestock correctly and safely minimizing stress and maintaining their health and welfare.</p> <p>3.5 Trainee will be able to explain ways of monitoring the livestock and the environmental conditions to ensure promotion of health and well-being of the animals.</p> <p>3.6 Trainee will be able to explain ways of carrying out cleaning routines of animals and arrange for regular disposal of animal waste and other wastes as per prescribed procedures</p> <p>3.7 Trainee will be able to demonstrate regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification</p> <p>3.8 Trainee will be able to explain and follow the safety procedures</p>
<b>4. Explain different ways of preparing, providing, storing &amp; maintaining the feed and water for livestock</b>	<p>4.1 Trainee will be able to identify the different types of animal feed, Feed Composition and its quality.</p> <p>4.2 Trainee will be able to identify and procure quality compound feed from suppliers, required for the feed preparation.</p> <p>4.3 Trainee will be able to estimate the correct quantities of feed, prepare feed with the mixture of right components as per the type and age of the animals, in a way that minimizes wastage.</p> <p>4.4 Trainee will be able to explain the nutrient requirement for the animals as per their type and age.</p> <p>4.5 Trainee will be able to arrange for various feed and feed supplements essential for animal nutrition and growth.</p> <p>4.6 Trainee will be able to follow the feeding chart, store feed appropriately and check stock levels regularly.</p> <p>4.7 Trainee will be able to identify any signs of pest infestation in the stored animal feed and report this to the appropriate person straight away.</p> <p>4.8 Trainee will be able to read and follow a feeding plan.</p> <p>4.9 Trainee will be able to explain ways of handling and storing animal feed safely according to the manufacturer's recommendations.</p>
	<p>4.10 Trainee will be able to identify the equipment and materials needed to prepare and serve animal feed.</p> <p>4.11 Trainee will be able to demonstrate the operation &amp; maintenance of equipment used in feed preparation e.g. chaff cutter.</p> <p>4.12 Trainee will be able to explain all the safe and healthy established workplace methods and practices to be monitored while providing feed &amp; water to the animals.</p> <p>4.13 Trainee will be able to explain ways of disposing off any stale and unusable animal feed, waste from the feeding and watering systems safely and correctly, according to established workplace procedures.</p>

<p><b>5. Demonstrate ways of maintaining the health and hygiene of livestock during both normal and pregnancy periods.</b></p>	<p>5.1 Trainee will be able to explain the healthy animal parameters</p> <p>5.2 Trainee will be able to treat animals as per animal welfare regulations</p> <p>5.3 Trainee will be able to monitor the physical condition of the animals at suitable intervals, and recognize record and report any abnormal signs.</p> <p>5.4 Trainee will be able to check livestock for presence of external parasites.</p> <p>5.5 Trainee will be able to explain the health maintenance procedure of livestock by ensuring that the records are accurate, legible and complete and comply with organizational and legal requirements for future reference.</p> <p>5.6 Trainee will be able to demonstrate correct use and store drugs, medication and equipment in accordance with veterinary instructions and organizational policy</p> <p>5.7 Trainee will be able to identify the current and uncontaminated prescribed medication only for the intended animal.</p> <p>5.8 Trainee will be able to explain the use of the correct techniques to give the specified treatment at the correct time</p> <p>5.9 Trainee will be able to demonstrate the method of administration of drugs.</p> <p>5.10 Trainee will be able to identify the pregnancy period of the cattle.</p> <p>5.11 Trainee will be able to illustrate the care to be taken during Pregnancy period.</p> <p>5.12 Trainee will be able to demonstrate ways of handling a calf.</p> <p>5.13 Trainee will be able to states ways of recording the health status of the animal during and after the treatment provided and reporting to the supervisor or the authority.</p>
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<p><b>6. Demonstrate hand and machine milking procedure, along with identification of the equipment used, means of handling, storing &amp; evaluating the quality of milk.</b></p>	<ul style="list-style-type: none"> <li>6.1 Trainee will be able to explain the Pre-Milking, Milking and Post Milking activities</li> <li>6.2 Trainee will be able to demonstrate the Pre-Milking, Milking and Post Milking activities</li> <li>6.3 Trainee will be able to identify the Mastitis disease and explain the precautions to be taken</li> <li>6.4 Trainee will be able to perform Teat dipping to prevent mastitis</li> <li>6.5 Trainee will be able to identify different milking machine and equipment used.</li> <li>6.6 Trainee will be able to demonstrate adjusting milking equipment, as required, to ensure correct operating order.</li> <li>6.7 Trainee will be able to demonstrate ways of rectifying minor malfunctions of equipment or milking systems to manufacturer's specifications, and report for specialist attention in case of more complex repairs.</li> <li>6.8 Trainee will be able to demonstrate preparation of the udder before milking and the right milking technique.</li> <li>6.9 Trainee will be able to explain ways of implementing milking procedures with minimum stress to livestock and maximum yield within reasonable timeframes.</li> <li>6.10 Trainee will be able to explain ways of implementing prescribed handling practices so as to prevent cross-infection during milking operations</li> <li>6.11 Trainee will be able to carry out livestock health treatments during drying off as directed, with minimal stress and weight loss.</li> <li>6.12 Trainee will be able to explain ways of handling and storing the milk</li> <li>6.13 Trainee will be able to demonstrate means of evaluating bacteriological quality of milk.</li> <li>6.14 Trainee will be able to determine common milk adulterants – glucose, cane sugar, starch.</li> <li>6.15 Trainee will be able to determine fat percentage of milk</li> <li>6.16 Trainee will be able to determine SNF (Solids not fat) of milk</li> </ul>
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<b>7. Illustrate ways of identifying, conserving, storing, packing, using of animal fodder along with maintenance of fodder equipment.</b>	<p>7.1 Trainee will be able to identify the different Fodder crops available.</p> <p>7.2 Trainee will be able to explain various forage conservation options based on the year round requirement of feed and fodder.</p> <p>7.3 Trainee will be able to explain favorable conditions suitable for forage conservation.</p> <p>7.4 Trainee will be able to identify risk factors for spoilage in forage conservation such as fire, vermin and air in silage.</p> <p>7.5 Trainee will be able to explain ways to prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements.</p> <p>7.6 Trainee will be able to demonstrate cleaning &amp; servicing of machinery and ancillary equipment in accordance with manufacturer's specifications, OHS requirements and industry practice</p> <p>7.7 Trainee will be able to demonstrate forage conservation method by preparing storage facility.</p> <p>7.8 Trainee will be able to demonstrate bale, wrap, compact, seal or store forage in accordance with storage plan.</p> <p>7.9 Trainee will be able to explain means to load, transport, and store/compact (if required) forage in accordance with OHS and quality requirements.</p> <p>7.10 Trainee will be able to demonstrate means to test or sample stored forage for quality</p> <p>7.11 Trainee will be able to identify the right time of harvesting of crops.</p> <p>7.12 Trainee will be able to explain how to carry out harvesting activities in a safe, controlled and efficient manner</p> <p>7.13 Trainee will be able to identify the tools and equipment required for preparation of forage.</p> <p>7.14 Trainee will be able to demonstrate the use of the tools and equipment required for preparation of forage.</p> <p>7.15 Trainee will be able to demonstrate the method of forage conservation – hay making, silage preparation, chemical treatment etc.</p> <p>7.16 Trainee will be able to identify dry matter target and assess dry matter content of forage material for the forage operation.</p> <p>7.17 Trainee will be able to compute the ration required by thumb rule.</p> <p>7.18 Trainee will be able to identify safety hazards and implement OHS procedures for forage conservation.</p> <p>7.19 Trainee will be able to demonstrate ways of Feeding of calf, heifer and cow</p> <p>7.20 Trainee will be able to demonstrate hay making &amp; silage making.</p>
<b>8. Maintain Health and safety at the work place</b>	<p>8.1 Trainee will be able to maintain a clean &amp; efficient workplace</p> <p>8.2 Trainee will be able to render appropriate emergency procedures</p> <p>8.3 Trainee will be able to practice general safety and first aid</p>