<table>
<thead>
<tr>
<th>Duty Bands</th>
<th>Current</th>
<th>Original</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Animal Husbandry &amp; Production</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Practice Management (non-People)</td>
<td>B</td>
<td>I</td>
</tr>
<tr>
<td>Clinical Pharmacology</td>
<td>C</td>
<td>G</td>
</tr>
<tr>
<td>Medical Treatments &amp; Diagnostic Techniques</td>
<td>D</td>
<td>F</td>
</tr>
<tr>
<td>Industry Structure, Marketing &amp; Production Economics</td>
<td>E</td>
<td>R, W</td>
</tr>
<tr>
<td>Herd Medicine, Investigation &amp; Problem Solving</td>
<td>H</td>
<td>B, T, Y</td>
</tr>
<tr>
<td>Recognize, Treat &amp; Control of Common &amp; Exotic Diseases (non-Herd)</td>
<td>I</td>
<td>H</td>
</tr>
<tr>
<td>Informatics, Records &amp; Statistics</td>
<td>K</td>
<td>K</td>
</tr>
<tr>
<td>State &amp; Federal Regulations</td>
<td>L</td>
<td>Q, X</td>
</tr>
<tr>
<td>Individual Animal Medicine</td>
<td>M</td>
<td>C</td>
</tr>
<tr>
<td>Nutrition &amp; Feeding</td>
<td>N</td>
<td>P</td>
</tr>
<tr>
<td>Organized Veterinary Medicine</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>People Skills</td>
<td>P</td>
<td>J</td>
</tr>
<tr>
<td>Quality Assurance</td>
<td>Q</td>
<td>L</td>
</tr>
<tr>
<td>Restraint, Anesthesia, Euthanasia, Comfort &amp; Well Being</td>
<td>R</td>
<td>D</td>
</tr>
<tr>
<td>Surgical Procedures</td>
<td>S</td>
<td>F</td>
</tr>
<tr>
<td>Theriogenology &amp; Obstetrics</td>
<td>T</td>
<td>V</td>
</tr>
<tr>
<td>Ethics &amp; Professionalism</td>
<td>V</td>
<td>M</td>
</tr>
<tr>
<td>Future Trends (Crystal Ball)</td>
<td>Y</td>
<td>Z</td>
</tr>
<tr>
<td>Public Health, Zoonoses, Human Safety</td>
<td>Z</td>
<td>N</td>
</tr>
</tbody>
</table>

Demonstrate ability to formulate an initial treatment and management plan prior to making a definitive diagnosis

Recognize necropsy lesions

Demonstrate knowledge of necropsy examination appropriate to feedlot standards

Recognize good hospital management

Perfom a necropsy

Recognize normal tissue

Discuss disease prevention (eg, good management practices (GMP), cattle source, immunization, mass medication by feed or parentally, and biosecurity)

Demonstrate knowledge of proper selection of medication as to efficacy, route of delivery, withdrawal time, and cost

Demonstrate knowledge of treatment protocols, dosing schedules, prescriptions, other order, withdrawal times, etc

Demonstrate an understanding of proper treatment interval and dosing (amount, route, and site selection)

Recognize common nutritional diseases, eg, ketosis, hypocalcaemia, etc

Recognize the client as the customer

Write brief, complete accurate reports
21 P Discuss how to build credibility and rapport with clients
P Demonstrate an ability to deal with people at their level
h Demonstrate an understanding of mass treatment techniques (eg, injectables, feed or water), topical, and implants
A Demonstrate an understanding of normal animal behavior
H Demonstrate ability to formulate immunization programs, eg, vaccination, natural exposure, and feedback

22 P Demonstrate ability to use active listening skills
N Discuss body condition management within the production cycle
P Demonstrate proper telephone skills and client communications
h Develop appropriate vaccination programs
H Develop an appropriate vaccine program

23 D Demonstrate subcutaneous injection
N Demonstrate an understanding of forages
q Discuss drug withdrawal & residue avoidance
H Develop an appropriate vaccination program

24 D Demonstrate intramuscular injection
H Given several situations establish a herd diagnosis for each situation
C Demonstrate an understanding of recording and maintaining treatment records
P Demonstrate telephone communication skills

25 A Demonstrate knowledge of dairy cow anatomy and physiology
C Explain cost effectiveness of treatments
M Perform necropsy sample collection and submission
P Demonstrate ability to elicit information from a client in a non-threatening manner
h Given a diagnosis, demonstrate an ability to develop intervention/re-medication plan, eg, treatment, control, depopulation

26 H Develop a diagnostic plan for problems associated with milk fever
N Demonstrate an understanding of feedstuffs
A Demonstrate ability to work with teams, eg, farm, practice, industry, colleagues
Q Demonstrate ability to be personally organized

27 H Develop a diagnostic plan for problems associated with environmental mastitis
V Discuss reasons to maintain written records for each case (examination, treatment, recommendation, etc)
I Recognize, Treat and/or Control Pasteurella haemolytica
V Maintain a professional image at all times

28 A Demonstrate an understanding of dairy farm operations
V Recognize the importance of personal hygiene
M Demonstrate knowledge of nursing care and hospital pen management
T Recognize the normal stages of labor
H Recognize the value of continuing education

29 D Perform placement of stomach tube
r Demonstrate an understanding of bovine behavior during handling and transport
P Demonstrate listening skills
o Demonstrate an understanding of the basic environmental needs for pigs, eg, temperature, ventilation, and air quality

30 A Demonstrate an understanding of dairy farm operation from the dairyman’s perspective
r Demonstrate physical restraint techniques
Q Demonstrate an understanding of methods of residue avoidance and withdrawal times
V Stay informed about hot issues (eg, prioron diseases, scrapie, chronic wasting disease, etc)

31 P Demonstrate writing and oral communication skills with staff
Q Describe beef quality assurance
A Demonstrate an understanding of a feedlot production cycle
I Recognize what drugs are banned in that species

32 D Collect blood samples from the tail
V Discuss the importance of personal appearance and professionalism
C Demonstrate knowledge of routes of administration and withdrawal times
M Demonstrate ability to sell professional skills

33 D Demonstrate drug administration techniques
r Demonstrate and/or discuss chemical restraints of cattle
M Discuss the importance of obtaining a complete pre-necropsy history
C Demonstrate knowledge of routes of administration and withdrawal times
H Demonstrate the necessity of billing for all services rendered
B Demonstrate ability to sell professional skills

34 D Demonstrate oral drug administration
B Develop knowledge of basic medical record keeping and accounting procedures
T Demonstrate ability to diagnose and correct dystocia
H Demonstrate ability to deal with clients empathetically

35 H Develop a diagnostic plan for problems associated with lameness
N Demonstrate an understanding of implants
P Demonstrate computer literacy (eg, spreadsheets, word processing, databases, literature retrieval)
V Maintain ethical and professional attitude toward professional colleagues
r Demonstrate ability to deal with clients empathetically

36 A Identify good husbandry practices to maximize performance
S Diagnose and treat foot problems
K Demonstrate computer literacy (eg, spreadsheets, word processing, databases, literature retrieval)
V Extract the importance of personal responsibility and reliability
a Demonstrate basic understanding of rumen physiology

37 R Perform an epidural block
P Demonstrate willingness and ability to work with clients empathetically
Q Demonstrate an understanding of the meaning of client/patient relationship
r Perform appropriate restraint
H Demonstrate an understanding of the dynamic nature of disease within a herd and of appropriately adjusting treatment, management plans

38 S Perform and demonstrate an understanding of different approaches for displaced abomasal surgery
B Explain the necessity of billing for all services rendered
P Demonstrate an understanding of the principals of managing people
B Demonstrate how to prioritize tasks
K Demonstrate an understanding of the dynamic nature of disease within a herd and of appropriately adjusting treatment, management plans

39 A Identify production parameters for milk production
N Explain role of supplements (energy, protein, mineral)
V Explain the importance of personal responsibility and reliability
a Demonstrate basic understanding of rumen physiology
C Demonstrate how to prioritize tasks
K Demonstrate an understanding of the dynamic nature of disease within a herd and of appropriately adjusting treatment, management plans

40 V Demonstrate an understanding of work ethics and expectations of veterinary practice
S Perform routine emergency surgeries without assistance by professionals
V Demonstrate an understanding of the meaning of client/patient relationship
t Demonstrate obstetrical skills
H Demonstrate an understanding of the dynamic nature of disease within a herd and of appropriately adjusting treatment, management plans

41 H Design and build treatment protocols for common diseases
H Discuss disease dynamics
M Take history from client
A Demonstrate an understanding of animal treatment economics
E Demonstrate an understanding of cost vs benefit of inputs

42 I Perform and demonstrate an understanding of treatment of uterine prolapse
B Explain the importance of clean environment as related to clinic, equipment, and vehicles
M Interpret lab results and data
T Demonstrate an ability to perform a reproduction examination on male and female
M Demonstrate individual animal treatment economics

43 D Collect a sterile milk sample
L Demonstrate an understanding of proper procedures for controlled substances
M Examine herd, pasture, housing, water, feed, etc
I Demonstrate proper handling and understanding of feed medication
D Demonstrate proper handling and understanding of water medication

44 H Describe the interrelationships between disease, production, and economics (Use individual cow problems to identify herd problems)
o Explain the importance of continuing education and lifetime learning
V Discuss doctor/client confidentiality
c Demonstrate an understanding of medical formulation
D Demonstrate proper handling and understanding of water medication

45 N Identify health-related problems due to improper nutritional management
I Recognize, Treat, and/or Control (RTC) Common and Exotic Diseases of Cattle
M Determine sample(s) needed to support diagnosis
D Demonstrate an understanding of appropriate nursing care
Q Demonstrate proper handling and understanding of injection sites
<table>
<thead>
<tr>
<th>N</th>
<th>Discuss principles of nutrition</th>
<th>t</th>
<th>Perform a Cesarean section without assistance by professionals</th>
<th>I</th>
<th>Recognize, Treat and/or Control the “Buller” Syndrome</th>
<th>Z</th>
<th>Demonstrate knowledge of zoonotic (eg, abortion diseases, soremouth, ringworm, rables, tapeworm, tuberculosis, Q fever, Brucellosis, and diarrheal diseases)</th>
<th>E</th>
<th>Demonstrate an understanding of the cost components of producing pigs</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>Describe physiology and endocrinology of ruminant digestion</td>
<td>S</td>
<td>Demonstrate field surgical techniques</td>
<td>p</td>
<td>Demonstrate interviewing skills</td>
<td>L</td>
<td>Recognize the importance of exactly following state, federal and international animal health regulations</td>
<td>C</td>
<td>Develop compliance strategies for drug withdrawals</td>
</tr>
<tr>
<td>K</td>
<td>Describe how to identify and access valid sources of information</td>
<td>Q</td>
<td>Discuss the veterinarian’s role in the delivery of beef quality assurance programs</td>
<td>V</td>
<td>Demonstrate an understanding of the importance of maintaining a professional image</td>
<td>M</td>
<td>Collect fecal samples, perform fecal examination, and interpret results</td>
<td>H</td>
<td>With information from clinical examinations develop a problem list for each one of several disease scenarios</td>
</tr>
<tr>
<td>A</td>
<td>Identify production parameters for udder health</td>
<td>C</td>
<td>Explain the factors affecting drug withdrawal times</td>
<td>C</td>
<td>Recognize the limitations of your knowledge</td>
<td>P</td>
<td></td>
<td></td>
<td>Explain the regulatory impact of Valid veterinary-client-patient relationship (VCPR)</td>
</tr>
<tr>
<td>t</td>
<td>Demonstrate an understanding of estrus synchronization</td>
<td>R</td>
<td>Explain indications for the use of available local, regional and general anesthesia agents and demonstrate proper technique of administration</td>
<td>P</td>
<td>Speak with confidence to individuals and groups</td>
<td>V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Demonstrate proper use of obstetrical instruments</td>
<td>A</td>
<td>Demonstrate an understanding of veterinary medicine’s role in the total cow-calf industry system</td>
<td>P</td>
<td>Report case progress to client promptly</td>
<td>a</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e</td>
<td>Demonstrate an understanding of how and why to teach basic treatment techniques to clients</td>
<td>e</td>
<td>Discuss the function and economics of each segment of the cow-calf industry</td>
<td>r</td>
<td>Apply current concepts of animal welfare to feedlot practice</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>Describe the importance of maintaining a professional image</td>
<td>V</td>
<td>Explain the benefits of camaraderie rather than competition among practitioners</td>
<td>v</td>
<td>Demonstrate an understanding of the delicacy of dealing with customers and suppliers of feedlots</td>
<td>N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Identify resources (people), r</td>
<td></td>
<td>Discuss the importance of appreciating the public’s perception of animal welfare</td>
<td>E</td>
<td>Understand flow of cattle in through the livestock structure</td>
<td>N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Demonstrate proper storage and handling of pharmaceuticals and biologicals</td>
<td>N</td>
<td>Describe general knowledge of feed sources - commercial product availability</td>
<td>P</td>
<td>Demonstrate an understanding of how to improve teamwork in colleagues, employees, and client’s employees</td>
<td>Q</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z</td>
<td>Demonstrate an understanding of zoonotic diseases (Johnes disease, Crohn’s disease),</td>
<td>M</td>
<td>Recognize and discuss the cost effectiveness of laboratory tests(s)</td>
<td>M</td>
<td>Determine appropriate laboratory tests(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Perform hoof care</td>
<td>V</td>
<td>Discuss proper disposal of trash and medical waste</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n</td>
<td>Demonstrate an understanding of dairy farm feeding management</td>
<td>N</td>
<td>Demonstrate an understanding of feed additives</td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Demonstrate the proper use of surgical instruments</td>
<td>R</td>
<td>Describe the indications for combinations of physical and/or chemical restraint</td>
<td>h</td>
<td>Perform clinical examination pertinent to a given situation and record results to apply to population data</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>Demonstrate self-discipline by wearing appropriate attire</td>
<td>r</td>
<td>Describe components that affect animal welfare, ie, environment, facilities, etc</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Demonstrate writing and oral communication skills with colleagues</td>
<td>V</td>
<td>Explain the importance of having a sense of community service</td>
<td>e</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Develop a diagnostic plan for problems associated with contagious mastitis</td>
<td>N</td>
<td>Discuss the role of minerals in cow-calf nutrition and macro-micro mineral interactions</td>
<td>K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Develop a diagnostic plan for problems associated with ketosis</td>
<td>e</td>
<td>Summarize AMDUCA ie, records, labeling, valid veterinarian-client-patient relationship (VCPR),</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>r</td>
<td>Identify the principles of cow comfort</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Demonstrate the importance of recognizing teachable moments</td>
<td>S</td>
<td>Explain contamination factors pertaining to cattle surgery</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Demonstrate an understanding of the criteria for a veterinary-client-patient relationship</td>
<td>K</td>
<td>Explain the importance of knowing resources available at colleges of veterinary medicine</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Identify resources (periodicals), B</td>
<td></td>
<td>Define a good work ethic and list its components</td>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Demonstrate an understanding for and apply time management techniques</td>
<td>S</td>
<td>Perform bloat management without assistance by professionals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** The above entries are likely to be paths to learning objectives or competencies within a specific field or discipline. Each entry appears to be a statement or action that a student or practitioner should be able to demonstrate. The context is academic or professional, focusing on knowledge, skills, and abilities related to animal health, disease management, and regulatory compliance. The entries are organized in a structured manner, suggesting a curriculum or learning path, with references to various competencies, tests, and practices that are essential to proficiency in the field.
| 113 | M | Demonstrate ability to determine appropriate lab tests for different situations | e | Discuss the function and economics of gleaner (crop residue) cow herds | M | Demonstrate knowledge of antibiotic residue tests | O | Recognize the value of local, state, and national veterinary organizations |
| 114 | P | Discuss the necessity of a family/work balance | Y | Recognize the huge pressure in industry to license technicians to practice alone | e | Demonstrate an understanding of basis for setting fees | H | Develop plans to investigate and manage different flock problems |
| 115 | L | Discuss the regulations affecting inter- and intrastate shipment of cattle | e | Explain partial budget costbenefit | M | Determine temperature, pulse rate, and respiratory rate | R | Describe small ruminant idiosyncrasies to anaesthetic agents |
| 116 | C | Demonstrate an understanding of the clinical pharmacology of common antibiotics | L | Demonstrate an understanding of OSHA regulations that pertain to practice | P | Demonstrate an understanding of how to handle client complaints | a | Discuss criteria for culling |
| 117 | E | Evaluate manure | e | Demonstrate the function and economics of hobby herds | P | Identify and understand personality types | N | Demonstrate forages, forbs, and poisonous plants |
| 118 | H | Develop a diagnostic plan for problems associated with calf and heifer development | L | Discuss carcass disposal regulations | k | Demonstrate ability to transfer individual animal information to herd or population database | Z | Recognize that quality assurance issues are related to public health |
| 119 | S | Perform and demonstrate an understanding of wound management | P | List the basic personality types and explain their significance | B | Develop a plan for repaying student debt | Z | Recognize the importance of rabies as a public health risk |
| 120 | H | Demonstrate an understanding of epidemiology | Z | Discuss the role of veterinarians in the public health system | L | List quantaritable and reportable cattle diseases | L | Recognize the importance of a veterinarian’s role in enforcing Food and Drug Administration regulations |
| 121 | B | Demonstrate an understanding of accounts receivable | Y | Recognize the trend towards enforcement of practice acts only by complaints | L | List quantaritable and reportable cattle diseases | Q | Perform a caesarean under field conditions |
| 122 | N | Evaluate storage of feedstuffs | a | Discuss manure management problems associated with cow-calf operations | I | Recognize, Treat and/or Control Mycoplasma spp | Q | Recognize that diagnostic labs vary in resources, services, and quality |
| 123 | Z | Demonstrate an understanding of zoonotic diseases (Cryptosporidiosis) | k | Apply statistical principles to different practice situations | V | Apply ethics to situations involving conflicts between veterinary practitioners and clients | O | Recognize the greater power of a group or organization to effect change |
| 124 | r | Describe abnormal dairy cattle behavior | Y | Discuss the local veterinarian as a contractor within a larger structure | O | Develop a plan to become involved in veterinary organizations (local, state, national, specialty, and support groups) | t | Treat retained placenta with species appropriate treatment |
| 125 | p | Demonstrate an understanding of client complaints | Z | Explain the structure of the public health system | P | Demonstrate an understanding of the principles of conflict management | O | Recognize the value of professional organizations in networking |
| 126 | B | Demonstrate an understanding of inventory control | Y | Discuss the role for consortiums among universities | M | Perform rectal exam | L | Demonstrate ability to find appropriate state and federal animal health officials |
| 127 | I | Discuss record keeping responsibilities for legal purposes | k | Discuss biometrics, statistics, and scientific method | h | Recognize, Treat and/or Control intestinal nematodes and cestodes | H | Recognize potential applications of non-antimicrobial growth-enhancing feed and water additives, eg, Zn oxide, water acidifiers, etc |
| 128 | A | Describe normal dairy cattle behavior | | | | | |
| 129 | b | Discuss the management structure of dairy farm operation and how to work within the structure to implement changes | | | | |
| 130 | S | Identify common surgical instruments | | | | |
| 131 | Z | Demonstrate an understanding of zoonotic diseases | | | | |
| 132 | Z | Demonstrate an understanding of zoonotic diseases (rabies), | | | | |
| 133 | S | Perform and demonstrate an understanding of removal of supernumary teats | | | | |
| 134 | I | Demonstrate an understanding of the Animal Medicinal Drug Use Clarification Act | | | | |
| 135 | Z | Demonstrate an understanding of zoonotic diseases (E coli H0157) | | | | |
| 136 | P | Identify techniques to effectively resolve conflicts | | | | |
| 137 | M | Interpret serology laboratory results | | | | |
Identify methods to reduce the risk of injury
Discuss the interactions associated with milk quality (ie public health, farm finances, and regulations)
Demonstrate an understanding of milking machine function
Perform a corneal nerve block
Demonstrate an understanding of zoonotic diseases (Tuberculosis (TB))
Administer intramammary products
Transcribe laboratory results
Perform and demonstrate an understanding of heat surgery
Demonstrate ability to develop an on-farm HACCP, including 10-point plan for dairy beef quality assurance & dairy quality assurance
Discuss the legal responsibilities for client/staff safety
Perform and demonstrate an understanding of umbilical hernia repair
Describe the components of milking systems
Perform IV catheter placement for cows and calves
Demonstrate an understanding of potential human abuse of veterinary pharmaceuticals
Demonstrate an understanding of the regulation related to medical wastes
Perform fecal sample collection
Discuss the benefits and responsibilities associated with delegation of tasks
Demonstrate collection of urine samples
Perform bandaging techniques
Demonstrate an understanding of benefit packages
Perform casting procedures
Perform a rumenocentesis
Identify learning styles
Discuss the expectation of the community, regulatory agencies, and the general public for the veterinarian
193 Z  Demonstrate an understanding of zoonotic diseases (Listeria)  
194 S  Describe sterilization techniques  
195 O  Explain the benefits and structure of state and national organizations (e.g AABP, etc).  
196 A  Describe the life cycle of a dairy calf  
197 B  Demonstrate an understanding of insurance  
198 O  Identify strategies to develop a peer network  
199 r  Explain the importance of public perception of animal welfare (e.g., humane treatment of animals)  
200 L  Discuss regulation of dead animal disposal  
201 B  Demonstrate an understanding of tax liabilities  
202 k  Demonstrate an ability to apply statistics to dairy related problems  
203 R  Discuss the acceptable methods and proper use of euthanasia  
204 M  Perform fecal examination  
205 O  Explain the benefits and structure of state veterinary association  
206 A  Demonstrate an understanding of employee management on dairy farms  
207 E  Describe marketing structure for breeding stock in the dairy industry  
208 S  Perform and demonstrate an understanding of a third eyelid flap  
209 E  Describe marketing structure for fluid milk in the dairy industry  
210 t  Perform artificial insemination  
211 R  Perform a paravertebral nerve block  
212 t  Perform bull breeding soundness examination  
213 Z  Discuss principles of meat hygiene  
214 L  Discuss principles of meat hygiene  
215 O  Explain the benefits and structure of the American Veterinary Medical Association  
216 A  Describe the life cycle of an adult dairy animal  
217 A  Describe the life cycle of a dairy heifer  
218 S  Perform and demonstrate an understanding of claw amputation  
219 S  Perform and demonstrate an understanding of tail docking eye enucleation  
220 S  Perform and demonstrate an understanding of Caslick’s procedure  
221 M  Interpret cytology laboratory results  
222 E  Describe marketing structure for cow beef in the dairy industry  
223 S  Perform and demonstrate an understanding of tail docking  
224 E  Describe marketing structure for manufactured milk in the dairy industry  
225 R  Perform a retrobulbar nerve block  
226 A  Demonstrate an understanding of waste management in dairy farm operations  
227 B  Discuss different types of practice structure  
228 S  Perform and demonstrate an understanding of tumor removal  

discuss the nutrient value of the different forages  
Discuss the methods used to analyze different types of data  
Recognize, Treat and/or Control bovine Parainfluenza-3 virus (PI-3)  
Examine urinary/genital systems  
Recognize, Treat and/or Control anaphylaxes  
Recognize, Treat and/or Control rabies  
Evaluate a feedlot ration  
Recognize, Treat and/or Control infections of the reproductive tract  
Recognize, Treat and/or Control peritonitis  
Recognize, Treat and/or Control laryngeal abscesses  
Demonstrate knowledge of the different kinds of insurance (e.g., malpractice, property, etc)  
Recognize, Treat and/or Control anaplasmosis  
Define and discuss the pathogenesis of the USDA-FSIS term pyrexia  
Define and discuss the pathogenesis of the USDA-FSIS term eosinophilic myositis  
Define and discuss the pathogenesis of the USDA-FSIS term uremia  
Recognize, Treat and/or Control ionophore toxicity  
Define and discuss the pathogenesis of the USDA-FSIS term toxemia  
Percuss and auscultate abdomen  
Examine nervous system  
Recognize, Treat and/or Control listeriosis  
Define and discuss the pathogenesis of the USDA-FSIS term pyemia  
Recognize, Treat and/or Control bovine corona virus  
Define and discuss the pathogenesis of the USDA-FSIS term Emaciation and miscellaneous degeneration  
Recognize, Treat and/or Control periartitis and endocarditis  
Recognize, Treat and/or Control urea toxicity  
Define and discuss the pathogenesis of the USDA-FSIS term nephritis and pyelitis  
Recognize, Treat and/or Control organophosphate toxicity  
Determine total plasma and packed cell volume  
Diagnose normality, right displaced abomasum (RDA), ulcers, cecal torsion, rumenotomy, hardware, left displaced abomasum (LDA)  
Recognize, Treat and/or Control traumatic periartitis  
Determine age of cattle  
Examine skin  
Recognize, Treat and/or Control bovine rhinovirus  
Recognize, Treat and/or Control leptospirosis
<table>
<thead>
<tr>
<th>Page</th>
<th>Code</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>229</td>
<td>S</td>
<td>Perform and demonstrate an understanding of a rumenotomy</td>
</tr>
<tr>
<td>230</td>
<td>Z</td>
<td>Discuss disaster relief awareness</td>
</tr>
<tr>
<td>231</td>
<td>D</td>
<td>Perform a transtracheal wash</td>
</tr>
<tr>
<td>232</td>
<td>E</td>
<td>Describe marketing structure for veal calves in the dairy industry</td>
</tr>
<tr>
<td>233</td>
<td>O</td>
<td>Explain the benefits and structure of breed specific organizations</td>
</tr>
<tr>
<td>234</td>
<td>S</td>
<td>Perform and demonstrate an understanding of uterine amputation</td>
</tr>
<tr>
<td>235</td>
<td>S</td>
<td>Perform and demonstrate an understanding of cryotherapy</td>
</tr>
<tr>
<td>236</td>
<td>D</td>
<td>Perform a liver biopsy</td>
</tr>
<tr>
<td>237</td>
<td>A</td>
<td>Demonstrate an understanding of the basics of equipment operation (e.g., feed truck, frontend loader, etc)</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control foreign bodies and injury of the eye</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control Chlamydia spp</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>Perform complete blood cell count</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control trichobezoars</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>Use various kinds of laboratory equipment</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control Ocular squamous-cell carcinoma</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control bovine adenovirus</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Recognize, Treat and/or Control pylonephritis</td>
</tr>
</tbody>
</table>