2013 NY District Novice
Dairy Quiz Bowl Contest

Novice Packet 1, Phase A

1) After a cow gives birth, what is the name of the first milk produced by the cow?
   - Colostrum

2) What is the processed called when we turn cream into butter?
   - Churning

3) In feeding our dairy animals, what do the letters TMR stand for?
   - Total Mixed Ration

4) The food that a cow regurgitates and re-chews is known as what?
   - Cud
Novice Packet 1, Phase B

1) Name the 6 major breeds of dairy cows.
   - Holstein
   - Jersey
   - Milking Shorthorn
   - Brown Swiss
   - Ayrshire
   - Guernsey

2) Name 4 signs or symptoms that your dairy animal might be sick.
   - Rough or dry hair coat
   - Runny nose, red or dry nose/mouth
   - Dull and sunken eyes
   - Off color or dry, hard or runny manure
   - Droopy ears
   - Lethargic
   - Above or below temperature
   - Lack of appetite

3) Name 2 reasons why cattle should be dehorned.
   - Prevent injury to other animals
   - Prevent injury to people
   - Space-animals with horns require more space to eat
   - Horned animals will have difficulty fitting heads into headlocks

4) What 2 breeds of dairy animals originated on a British Channel Island?
   - Jersey
   - Guernsey
Novice Packet 1, Phase C

1) What is the danger to a person when entering an upright silo too soon after filling?
   - Toxic silo gases

2) What does the acronym SCC stand for in regards to milk quality?
   - Somatic Cell Count

3) What is the name of the storage unit used for holding milk?
   - Bulk tank

4) What does A. I stand for?
   - Artificial insemination

5) What is the term used on a dairy animal’s pedigree for an animal’s father?
   - Sire

6) During a normal calving, what is the first part of the calf you will see coming out of the cow?
   - Front hooves

7) The fermentation vat is also another name for which stomach compartment of the dairy cow?
   - Rumen

8) What illness is a calf likely to develop is she is raised in a drafty environment?
   - Pneumonia
9) What is the best protein source for feeding baby calves?
   - Milk

10) What is the name for an infection of the udder?
    - Mastitis

11) The personal space of a cow, calf or heifer is called what?
    - Flight zone

12) What does it mean if a calf is born without horns?
    - She is polled

13) What direction should a leadsperson be facing when walking into a show ring?
    - Forward

14) How much colostrum should a calf have at birth?
    - One gallon or 8 to 10 % of bodyweight (accept 3 to 4 quarts but not 2 quarts)

15) How many incisor teeth does an adult cow have?
    - 8

16) What is a crop called that has been turned into animal food through fermentation in a silo and stored with little exposure to oxygen?
    - Silage
Novice Packet 2, Phase A

1) How many quarters are there in a cow’s udder?
   - 4

2) Which portion of the plant do grains usually come from?
   - Seeds

3) What is a doctor of animals called?
   - Veterinarian

4) On what part of the cow would you find the dewclaws?
   - Foot
Novice Packet 2, Phase B

1) Name 3 different types of non-permanent cow identifications.
   - Ear tags
   - Ankle straps
   - Neck straps
   - Crayons
   - Brisket tags
   - External electronic devices

2) Name the 4 compartments of the dairy cow’s stomach.
   - Rumen
   - Reticulum
   - Omasum
   - Abomasum

3) What do the 4-H’s stand for?
   - Head
   - Hand
   - Heart
   - Health

4) What does a 3X on a cow’s milk production records mean?
   - She was milked 3x daily
Novice Packet 2, Phase C

1) What is the name of the stomach compartment that is also called the hardware stomach?
   - Reticulum

2) What is the most popular cheese on pizza?
   - Mozzarella

3) What is the process of squeezing two streams of milk by hand from the teat before putting on the milking machine called?
   - Fore stripping

4) What is the process in which the cow relaxes and releases the milk in the udder so it can be milked out?
   - Milk letdown

5) Why, other than for a cow show, are cows clipped especially in the winter and in stanchion or tie stall barns?
   - Help keep them clean or help keep the milk clean

6) What is a calf with parents from two different breeds called?
   - Crossbreed

7) Why should a teat dip be used after milking a cow?
   - To reduce or prevent udder infections

8) What is the name used to describe the general class of chemicals which are used for weed control?
   - Herbicides
9) Whey is the by-product from making what?
   - Cheese

10) A tiny one celled microorganism that may cause illness is called a what?
    - Bacteria

11) A male bovine that is castrated before puberty is called a what?
    - Steer

12) Where do heel flies lay their eggs on a dairy animal?
    - On the lower legs

13) At a cattle show, what color clothing is best and preferred for a showmanship class?
    - White

14) What country did the Brown Swiss cow come from?
    - Switzerland

15) A young female dairy animal that has not yet had a calf is called a what?
    - Heifer

16) In the dairy industry, what is a herringbone?
    - Type of milking parlor
Novice Packet 3, Phase A

1) A balling gun would be used to give an animal what?
   - Pill

2) What do you call the condition in a cow when her body temperature is 103 degrees Fahrenheit or greater?
   - A fever

3) What does the “Real Seal” mean on a food product?
   - It means it is a genuine dairy product

4) How many pasterns does a calf have?
   - 4
Novice Packet 3, Phase B

1) Name 3 types of common bedding materials used to bed dairy cattle.

- Newspaper
- Sand
- Straw
- Sawdust
- Shavings
- Recycled manure solids
- Old hay
- Mattresses
- Rubber mats

2) Name 3 parts of the cow's reproductive tract.

- Vulva
- Vagina
- Cervix
- Ovaries
- Oviduct
- Uterus

3) Name 3 different dairy products made from milk?

- Butter
- Cheese
- Yogurt
- Ice cream
- Low fat milk
- Flavored milk
- Cottage cheese

4) Name 3 different materials that a halter can be made of?

- Leather, Rope, Chain, Nylon
Novice Packet 3, Phase C

1) How many teeth does a cow have?
   - 32

2) When judging dairy cows, what is worth 40 points on the PDCA scorecard?
   - Udder

3) When is National Ice Cream Month?
   - July

4) What is a group of cattle called?
   - Herd

5) What is the most important nutrient that cows and all living things need?
   - Water

6) What is the name of a sale where bids are received and the animal is sold to the highest bidder?
   - Auction

7) What stomach compartment of the dairy cow is called the true stomach?
   - Abomasum

8) What is the major buffer for a dairy cow that helps to maintain rumen pH?
   - Saliva
9) What is the name of the time period when a cow is in milk?
   - Lactation

10) What percent of milk is digestible?
    - 96 to 98 % (Accept anything in this range)

11) What is the name for milk that comes from the cow prior to processing it?
    - Raw milk

12) On average how many days are there between heat periods in dairy cows?
    - 21 days (accept 17 to 21 days)

13) A record of ancestry for an animal is called what?
    - Pedigree

14) What is the name of the fungus infection that invades the hair follicles and outer layer of skin and appears in circles?
    - Ringworm

15) What is the name of the disease in calves that is characterized by diarrhea, dehydration and unthriftness?
    - Scours

16) What is the name of the small projections that line the wall of the small intestine?
    - Villi
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Novice Packet 4, Phase A

1) What is stored in liquid nitrogen on the farm?
   - Semen

2) In what part of the dairy cow’s digestive system do fiber digesting microbes live?
   - The rumen

3) What is the most important mineral found in milk and is important for bone growth?
   - Calcium

4) What type of milk contains 0 grams of fat?
   - Fat free (skim)milk
Novice Packet 4, Phase B

1) What are the 3 acceptable colors of a registered Holstein?
   - White
   - Black
   - Red

2) Name 3 things that the milk-hauler does before pumping the milk from the bulk tank onto the milk truck.
   - Checks the temperature of milk
   - Takes a sample of the milk for testing
   - Checks milk for off odors
   - Measures the amount of milk in the tank
   - Agitates the milk before taking the sample

3) Name three types of systems or ways that a farmer can store their silage.
   - Upright silo
   - Trench silo
   - Bunker silo
   - Ag bag
   - Harvestore silo
   - Wrappers (single wrapped bags)
   - Tubes

4) Give 3 signs that a cow is in heat.
   - Restlessness
   - Bellowing
   - Following and smelling other cows
   - Mounting other cows
   - Standing to be mounted by other cows
   - Discharge of a clear mucous from the vulva
   - Vulva is red and swollen
Novice Packet 4, Phase C

1) What is the name for the hair on the end of a cow’s tail?
   - Switch

2) What is the term used in describing taking a calf off milk as its main source of nutrition?
   - Weaning

3) What is a lagoon used for in an agricultural business?
   - Manure storage

4) What are the building blocks of protein called?
   - Amino Acids

5) What does colostrum contain that no other milk does?
   - Antibodies

6) What is the white solid called that is produced in the cheese making process when milk is coagulated?
   - Curd

7) What is the name given to hooved animals that chew their cud?
   - Ruminants

8) What is the name for the machine with four teat cups and is attached to the cow to pump out the milk?
   - Milking machine
9) The process that uses controlled heat to kill harmful bacteria in milk and makes it safe to drink is called what?

- Pasteurization

10) What is the name of the class of animals that produces milk to feed its babies?

- Mammal

11) How many pounds does a gallon of milk weigh?

- 8.6 pounds

12) What is a normal dairy cow temperature?

- 101.5°F (Accept 101 to 102.5)

13) How many gallons of water will a cow drink in a day?

- 25 to 50 gallons

14) What is the name of the organization that coordinates the dairy industry’s advertising and marketing?

- American Dairy Association

15) What is the ideal age for a heifer to have her first calf?

- 24 months (accept 22 to 24 months)

16) What is the condition called where excessive fluid collects in the udder?

- Udder edema
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Novice Packet 5, Phase A

1) What is the name of the special facility where cows or goats are brought to be milked?
   - Milking parlor

2) What is the name for the membranes of pregnancy that pass out of the cow after she gives birth to a calf?
   - Afterbirth or placenta

3) What part of the corn plant is corn meal made from?
   - Corn kernels

4) What is another name for the reticulum?
   - Honeycomb
1) Name 3 things you should do within the first hour after a calf is born to keep a newborn calf healthy.
   - Check to see if it is breathing normally
   - Be sure the calf is in a clean and dry environment
   - Dip the navel with iodine
   - Feed a colostrum
   - Give any medications that the farm is using

2) Name 3 pieces of information you would find on your animals registration paper.
   - Name
   - Sire
   - Dam
   - Birthdate
   - Owner
   - Breeder
   - Sex
   - Registration number
   - Grand dam
   - Grand sire

3) Name 3 parts of the dairy cow which are associated with the mammary system.
   - Teats
   - Rear udder
   - Fore udder
   - Rear udder attachment
   - Fore udder attachment
   - Milk wells
   - Milk veins
   - Median suspensory ligament

4) Name 2 different types of milking parlors.
   - Herringbone, Parabone, Parallel, Rotary, Side opening, Flat barn
1) What part of the body does ringworm affect?
   - Skin

2) What is the name of the sugar found in milk?
   - Lactose

3) Which parents determines the sex of a calf?
   - Sire or male

4) What word describes the selling of unwanted or poor quality animals from the herd?
   - Cull

5) What month is National Dairy Month?
   - June

6) What does NDC stand for?
   - National Dairy Council

7) How long is the average dry period for a cow?
   - 60 days (Accept 45 to 60 days)

8) What does the orange triangle sign on the back of a hay or silage wagon mean?
   - Slow moving vehicle
9) What connects the fetus to the navel and carries nutrient between the mother’s body and the fetus?
   - Umbilical cord

10) The period from conception to birth is called what?
    - Gestation

11) What is the food a cow is given where everything is mixed together so each bite is the same and the mix meets all of the animal’s nutritional needs?
    - TMR or Total mixed ration

12) What is the name given to the spot located directly behind a cow?
    - Blind spot

13) What hygiene practice is the single most important measure for preventing the spread of a disease from animals to humans?
    - Hand washing

14) Of the 6 major dairy breeds, which breed is the smallest?
    - Jersey

15) A newborn calf’s navel is often dipped with what substance?
    - 7% tincture iodine

16) The highest percent of protein is in what part of the alfalfa plant?
    - Leaves
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Novice Packet 6, Phase A

1) What does the term open mean when talking about a dairy cow?
   - She is not pregnant

2) What part of the plant has the highest fiber concentration, the stem or leaves?
   - Stem

3) A swelling of the rumen caused by an accumulation of gas is called a) bloat, b) pregnancy, or c) infection?
   - A bloat

4) What do we call a paper that accompanies a purebred animal and certifies his or her parentage?
   - Registration paper
1) Name 3 important factors to consider when choosing a dairy calf as a project animal.
   - Age,
   - Breed
   - Health
   - Pedigree
   - Conformation
   - Cost/price
   - Housing

2) Name 2 adjectives that best describes the ideal rear udder attachment.
   - High
   - Wide

3) Spell the word Guernsey.
   - Guernsey

4) Name 3 reason why a dairy farmer might sell or cull a cow from the herd.
   - Disease
   - Injury
   - Low production
   - Mastitis
   - Not pregnant
   - Disposition
   - Poor type (ugly)
Novice Packet 6, Phase C

1) When an injection is given IV where is the material deposited?
   - In the vein

2) What direction do you move when leading a dairy animal in the show ring?
   - Clockwise

3) How many points is dairy strength given on the PDCA Dairy Cow Unified Scorecard?
   - 25 points

4) The cultured dairy product with a sour taste that is made by adding a starter bacteria culture and often flavored with fruit is called what?
   - Yogurt

5) What do you call a stall in a barn where the cow is free to come and go?
   - A Freestall

6) The daily consumption of food or feed is called what in regards to dairy cows?
   - Ration

7) When a cow relaxes and releases the milk in the udder so it can be milked out, the name of the process is called what?
   - Milk letdown

8) In which season of the year are lice most prevalent for dairy animals?
   - Winter
9) What is the common term for a displaced abomasum
   - Twisted stomach

10) What is the milk let down hormone called?
    - Oxytocin

11) How do you place a magnet in a cow’s reticulum?
    - Orally or through the mouth

12) Name the dairy breed that has the highest average milk production.
    - Holstein

13) If you are lactose intolerant, what kinds of food can’t you eat?
    - Dairy products

14) When showing, what side of your animal are you on?
    - Left side

15) How many upper front teeth does a cow have?
    - None

16) How many hocks does a dairy cow have?
    - Two