NOTE: This is not a complete list of procedures. It is a list of common procedures designed to test the candidate's competence. Candidates must be able to complete/explain/demonstrate any one or more of the following procedures or actions.

PLEASE NOTE: All procedures, techniques and materials listed are evaluated according to the standard as taught to the current South African veterinary student. Candidates are therefore kindly asked to familiarise themselves with them, as they may be different from the standards in their country of origin and other countries.

All species (canine, feline, equine, bovine, porcine, ovine and caprine)

- Control and handle the animal (including physical means of restraint, muzzles, casting (bovines), etc.)
- Perform a clinical examination using only ears, eyes, hands, a stethoscope and a thermometer, indicate appropriate differential diagnoses and additional procedures or equipment to be used
- Perform a rectal examination (bovines, equines and canines)
- Make, stain, examine and interpret a blood smear
- Identify common microscopic parasites, for example: Examine a slide with a blood smear for Babesia, a brain smear for heartwater, or a semen smear for bacteria, by use of a microscope
- Perform a WBC differential count
- Collect a venous blood sample using relevant veins for each species
- Perform and read a microhaematocrit
- Collect a urine sample and perform a full urine analysis
- Perform an ear examination using an otoscope
- Perform an eye examination using an ophthalmoscope
- Place an intravenous catheter
- Set up an intravenous and intra-peritoneal infusion (crystalloid and blood)
- Know the sites for and be able to perform a sub-cutaneous and intramuscular injection (for each species)
- Take histological samples (intra operative, biopsy and necropsy)
- Take samples for microbiological evaluation (intra operative, biopsy and necropsy)
- Communicate effectively, both verbally and in writing, with clients, the lay public, professional colleagues and responsible authorities; listen to, understand and respond empathetically to clients, use language in a form appropriate to the audience and the context (a diversity of cultures, customs, value systems and means)
- Obtain an accurate history of the individual animal/group of animals including relevant aspects related to the immediate environment of the animal(s)

**Medicine**

**Canine and feline**

Obtain samples/perform examinations as follows:
- Skin scraping
- Hair pluck
- Ear smear
- Woods lamp examination
- Fine needle aspiration and basic cytology
- Impression smear and basic cytology
- Abdominocentesis
- Thoracocentesis
- Faecal floatation
- Faecal wet preparation
- Faecal smear
- Cystocentesis and urine analysis
- Urinary catheterisation male
- Pass a stomach tube
- Place and evaluate a naso-oesophageal tube
- Skin biopsy
- Ear flush
- Demonstrate basic the CPR procedure (including drugs and routes of administration)
- Perform a basic neurological examination
- Perform basic eye evaluation
- Express anal sacs of a dog
Production animals (bovine, ovine and caprine)

Collect rumen fluid, analyse and interpret results
Examine and interpret rumen motility
Take an aseptic milk sample
Perform a California Milk Test and interpret it
Perform and evaluate a TB (tuberculosis) skin test
Perform an abdominocentesis
Collect a faecal sample and examine it
Dose a rumen magnet
Dose via stomach tube
Perform claw care
Do a dehorning: demonstrate debudding
Do sub-conjunctival injection
Evaluate sheep by Famacha chart
Do brain smear

Equine

Obtain samples/perform procedures as follows:
  Skin scraping
  Hair pluck
  Acetate tape test
  Woods lamp examination
  Fine needle aspirate and basic cytology
  Abdominocentesis
  Faecal floatation
  Faecal wet preparation
  Faecal smear
  Urine collection and analysis
  Pass a nasogastric tube

Surgery
Canine and feline

The following will be tested on cadaver specimens
Perform:
  Suture and tension suture
  Wire tension for orthopedic work
  ovariohysterectomy
  castration
  mandibular symphysis wiring
  oesophagostomy feeding tube placement
  tracheotomy
  tube thoracostomy and assemble a portovac drain correctly
  simple dental extraction
  dental scale and polish (with identification of relevant instrumentation)

Perform an exploratory celiotomy with any of the following:
  organ or organ part identification
  gastrotomy/partial gastrectomy
  enterectomy/enterotomy
  splenectomy
  cystotomy
  liver biopsy
  spleen biopsy

Explain the principles of fracture repair for a given radiological case
Name and be able to handle correctly the instruments involved in a basic soft tissue surgical set
Perform a simple abdominal ultrasound examination with identification of major organs
Positioning technique [only] for taking a radiograph for a specified condition
Perform a Schirmer tear test
Perform and interpret a fluorescein stain test
Take conjunctival swabs
Equine

- Apply limb bandages
- Place a tail bandage
- Do a lameness evaluation
- Examine and float the teeth
- Remove a shoe
- Explain open castration procedure

Production animals (bovine, ovine and caprine)

- Demonstrate procedure for:
  - rumenotomy
  - claw amputation
  - Caesarian section

Reproduction

Canine and feline

- Examine for pregnancy
- Collect a semen sample and examine it
- Perform AI
- Do an obstetric examination

Equine

- Swab mare for infectious diseases
- Swab stallion for CEM
- Distocia
- Confirmation of pregnancy

Production animals (bovine, ovine and caprine)

- Examine for pregnancy:
  - Rectal pregnancy diagnosis on a cow;
  - Sheep ultrasound scan
- Collect a semen sample
- Examine semen sample and interpret results
- Conduct a breeding soundness evaluation on a bull/ram or cow/ewe
Perform AI
Perform a closed castration
Perform epidural anaesthesia
Do a vaginal examination
Do an obstetric examination
Assemble foetotomy equipment for use in dystocia and demonstrate use

Anaesthesiology

Canine and feline
Know and be able to identify the different components of an anaesthetic machine with its circuits
Select the correct size, and place an endotracheal tube

Equine
Local anaesthesia

Production animals (bovine, ovine and caprine)
Demonstrate:
  nerve block and tourniquet for dehorning
  nerve block for teat surgery
  nerve block for caesarian section
  I/V block for claw surgery

Pathology/Veterinary Public Health (VPH)
Perform a post mortem on a chicken