APPLICATION FORM TO REGISTER FOR THE SAVC REGISTRATION EXAMINATION FOR ANIMAL HEALTH TECHNICIANS

Any dishonesty in the completion of this form will be considered a serious offence.

Kindly note that the application form and examination information may change annually. Please verify whether you are in possession of the latest information

The fees for the examination are available after the approval of the budget which takes place at the end of January annually

P O BOX 40510 Arcadia 0007, Tel: (012) 342 1612 Fax: (012) 342 4354 e-mail: savc.exams@intekom.co.za

PLEASE NOTE: The application must be signed before a Commissioner of Oaths.

The application must be accompanied by all documentation set out below and titled Requirements to sit the registration examination.

Payments: ABSA, Hatfield Branch, Cheque Account: 020 166 762, Branch code 335 545. Fax copy of deposit slip/ Electronic transfer to Fax: (012) 342 4354

PLEASE COMPLETE THE FORM IN BLOCK LETTERS!

<table>
<thead>
<tr>
<th>1. Type of examination</th>
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<tr>
<td>For <strong>Full registration</strong> as _________________________________</td>
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<tr>
<th>Examination Fee</th>
<th>R3980.00</th>
<th>Admin Fee</th>
<th>R200.00</th>
<th><strong>TOTAL R4180.00</strong></th>
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<th>2. Surname:</th>
<th>3. ID No. (if no SA ID, please enter your passport number.)</th>
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<th>4. First Names:</th>
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5. Postal Address:

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<th>E-mail:</th>
<th>Postal Code:</th>
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**Cell:**

**Please provide all contact details**

**Cell: SA**

*The administration of the SAVC should be able to contact you during application and examinations*

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<th>6. Tel (Office):</th>
<th>7. Tel (Home):</th>
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8. Tertiary/Schooling Education Qualifications obtained (Excl. Post Graduate)

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<tr>
<th>Degree / Diploma / Certificate</th>
<th>University / Technikon / Training Centre</th>
<th>Date Obtained</th>
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9. Post-Graduate Qualifications Obtained
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<th>Degree / Diploma</th>
<th>University / Technikon / Training Centre</th>
<th>Date Obtained</th>
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Have you previously sat the Council Registration Examination?

___Yes/No___ YEAR _______________________

10. Receipt: __________________________
11. Amount __________________________

I ______________________________ hereby declare that I accept and understand the attached Examination Rules.

_____________________________                                         __________________________
Signed                                                                                     Date

Thus signed and sworn before me at ______________on this the_____________day of _________200___, the deponent having acknowledged that he knows and understands the contents of the affidavit, has no objection to taking the prescribed oath and considers it binding on his conscience.

Commissioner of Oaths

**KINDLY NOTE THE EXAMINATION AND ADMINISTRATION FEE IS NOT REFUNDABLE AND THE EXAMINATION FEE IS TRANSFERABLE TO THE FOLLOWING YEAR ONLY WITH ACCRUAL OF FEES RELEVANT FOR THE FOLLOWING YEAR**

**Requirements to sit the registration examination.** Please read the instructions carefully.

All applications must be forwarded as a complete set of documents and be translated into English. Applications and requirements/documents must not be submitted in piece meal fashion or submitted separately, but must be accompanied by the following:

- **Timeous application** on the prescribed form. The application must be signed by the applicant before a Commissioner of Oaths who will verify that the applicant read and understands the examination rules. Please scroll down to access the examination rules.

- **Payment** of the prescribed fees. Kindly note that both the application processing fee and the examination fees are non-refundable. Payment must be made in full by 1 April. No down payments are accepted. The examination fee may be transferred once to the following year. The applicant will pay the difference of the fees applicable for the following year.

- **Certified** true copies of veterinary qualification certificates are to be submitted with the application form. To confirm authenticity, original certificates must be produced prior to sitting the examination and on the first day of the examination. **Certified means** that a Commissioner of Oaths attested to the fact that the copy is a true copy of the original document.

- **A police clearance** not older than three months from the country where you resided the preceding year.

- **A certificate of good standing** issued within the last three months by the veterinary authorities in the country in which the applicant has been registered as a Animal Health Technicians or in the absence of a professional Council/Board or registering authority then a certified reference from the faculty where the applicant qualified and/or from the present employer. The reference should attest to the applicant’s work ethics and conduct.
Certified **proof of identity** i.e. passport, which document (original) must also be provided on the first day of the examination.

A clear **original photograph**. Affix your name at the back of the photograph and staple it to the front of the application.

A certified copy of applicant's **legal permit** i.e. work, study or other legal visa. If you are working in SA then the work/residence permit must accompany the application.

Applications will not be accepted after 1 April.

**Applicants have to submit proof of proficiency in English** as a requirement to sit both the written examination and to undertake the practical examination. Any formal training and proof thereof will be accepted. The requirement is waived for persons whose medium of instruction for their Animal Health Technicians training was in English.

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**REGISTRATION WITH THE SOUTH AFRICAN VETERINARY COUNCIL**  
**GUIDELINES TO APPLICANTS: ANIMAL HEALTH TECHNICIANS**

The South African Veterinary Council is established in terms of the Veterinary and Para-Veterinary Professions Act, 1982 (Act 19 of 1982) and only persons who are registered with the Council may practice as Animal Health Technicians in South Africa.

The position with regard to registration is as follows:

1. **SOUTH AFRICAN QUALIFICATIONS**  
   Persons holding the qualifications prescribed in the Act and Regulations are entitled to automatic registration with the Council on receipt of the requisite application form and fee. At present the qualifications are the National Diploma in Animal Health (UNISA), Diploma in Animal Health (North West University) and BSc Agric. (Animal Health) (North West University).

2. **PERSONS WITH OTHER FOREIGN QUALIFICATIONS**  
   Persons with qualifications from any other institution throughout the world are required to pass a council examination before being registered in South Africa to practice the profession of Animal Health Technician in South Africa. This requirement must not be construed in any way as a comment on the standard or quality of their educational training but is purely due to the fact that no agreement of reciprocity exists between this Council and the other bodies concerned.

   Such persons must submit an application to the Council for permission to write the registration examination. Applications for permission to write the registration examination must be received by the registrar's office by **1 April**. If permission is granted the applicant will be required to sit the examination during September of the same year in Pretoria.

   Please note that an examination will be required unless the Council expressly determines otherwise in a particular case.

   **All applicants are required to submit certified copies of all educational certificates as well as an academic transcript (statement of courses done and marks obtained) from the institution they qualified from, together with their application and produce original copies of the said certificates/documents for scrutiny on the first day of the examination and prior to sitting the South African Veterinary Council Registration Examination.**

   Persons registered with other registering authorities prior to their application to register in South Africa, are required to submit with their application a certificate of good standing issued **within the previous three months** by the relevant registering authority.
Attention is drawn to the fact that the Veterinary Council is concerned with the registration of qualified persons and the conduct of the profession.

The Council is not in a position to render assistance with regard to the obtaining of employment in this country.

EXAMINATION FOR REGISTRATION AS AN ANIMAL HEALTH TECHNICIAN

GENERAL INFORMATION

1. Application to sit for the examination of the South African Veterinary Council must be made in writing and on the prescribed application form to:

   The Registrar: South African Veterinary Council
   874 Church Street, Lisdogan Park, Pretoria
   P.O. Box 40510
   ARCADIA
   0007 South Africa
   Tel: (012) 342 1612
   Fax: (012) 342 4354

2. A written examination is held annually in September at:

   Faculty of Veterinary Science, UP, Onderstepoort/ OR
   874 CHURCH STREET, LISDOGAN PARK/ OR A VENUE TO BE ADVISED

   The second part of the examination, a practical examination is held at the Faculty of Veterinary Science, University of Pretoria, Onderstepoort.

3. The closing date for applications is 1 APRIL.

4. Late entries will NOT be considered.

5. Application must be made on the application form and must be accompanied by:

   5.1 A non-refundable application / processing fee and a non-refundable examination fee as determined by the S A Veterinary Council is payable in South African currency. Cheques and/or postal orders must be crossed and made out in favour of the South African Veterinary Council. Proof of payment must be submitted when candidates present themselves for examination. The non-refundable examination fee may be transferred once, on motivation, to the following year subject to the escalation of the fee in the following year.

   5.2 Certified copies of degree and /or diploma certificates.

   5.3 A certificate of good standing issued within the last three months by the Animal Health / Veterinary authorities in the country in which the candidate has been registered as an Animal Health Technician or in the absence of a professional Council/Board or registering authority then a certified reference from the training institution/ faculty where the person qualified or from the present employer as well as a police clearance from the authorities in the country where the applicant was last employed.

6. All candidates who failed the examination twice are permitted to apply for an additional examination based on the following criteria:

   Chances of passing an additional examination based on past performance;
   Proof of further studies (continuing professional development); and
   Other factors relevant to the candidate’s personal circumstances.
The examination consists of at least two parts.

7.1 A primary written examination consisting of two papers which is of a general nature and which will test the candidate’s basic knowledge and understanding of the work of an Animal Health Technician under South African conditions.

7.1.1 A sub minimum of 40% is required in each of the two written papers and a sub minimum of 40% in the practical examination as well as an overall final combined mark of 50% is required to pass the examination and allow registration. Papers one and two will contribute equally to a mark for the written component. The final combined mark will be computed as follows:

<table>
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<tr>
<th>Component</th>
<th>Mark</th>
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<tbody>
<tr>
<td>Written Paper</td>
<td>60%</td>
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<tr>
<td>Practical</td>
<td>40%</td>
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7.2 A panel of examiners appointed by the SA Veterinary Council will conduct the follow-up practical examination. Emphasis will fall on the practical related aspects of the work field of an Animal Health Technician.

7.2.1 During the examination, the candidate’s language proficiency in English and professional attitude will figure prominently.

8. Candidates must have a sound knowledge of the main laws relevant to veterinary science and the veterinary- and Para-veterinary professions in South Africa, viz:

8.1 Animal Diseases Act, 1984 (Act 35 of 1984)
8.3 Veterinary and Para-Veterinary Professions Act, 1982 (Act 19 of 1982) as amended

8.3.1 Applied regulations
8.3.2 The ethical code of Animal Health Technicians.

9. Candidates must also have some knowledge of the following laws pertaining to veterinary science and the Veterinary- and Para-veterinary professions in South Africa, viz:

9.1 Animal Improvement Act, 1998 (Act No 62 of 1998)
9.2 Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947)
9.3 Animal Protection Act (Act 71 of 1962) as amended
9.4 Medicines and Related Substances Control Act, (Act 101 of 1965) as amended
9.5 Criminal Procedures Act (Act 51 of 1977) as amended

These Acts are published in Government Gazettes, which are obtainable at libraries and specifically at:

The National Library of South Africa

Andries Street 165
Pretoria
South Africa
P O Box 397
Pretoria
0001
10. Candidates must have a sound theoretical and practical knowledge of the following study fields;

10.1 Anatomy and Physiology (Animal Health)
- Demonstrate an understanding of the points of the conformation of the domestic and game animals' bodies and give body measurements
- Describe the position or direction of any organ or part of an organ on the animal body
- Describe the morphology of the typical animal cell, and be able to discuss the different forms of cell division and the processes of spermatogenesis and oogenesis
- Discuss, describe and compare the structure and functions of the various tissues found in domestic animals and game.
- Discuss and describe anatomy and physiology of the cardiovascular and lymphatic system in mammals
- Identify and describe the anatomy and physiology of the digestive system of the different domestic animals and game
- Describe and discuss the anatomy and physiology of the musculoskeletal system
- Demonstrate an understanding of the anatomy and physiology of the endocrine system
- Identify and describe the anatomy and physiology of the sense organs of the animal
- Identify and describe the anatomy and physiology of the nervous system
- Identify and describe the anatomy and physiology of the skin and associated structures
- Identify and describe the anatomy and physiology of the urogenital system
- Identify and describe the anatomy and physiology the respiratory system

10.2 Zootechnics (Animal Health)
The principles and practice of the keeping, breeding and management of the following animals:
- Beef cattle; dairy cattle; sheep; poultry; pigs; horses
- Aquaculture
- Basic first aid
- Routine farm operations
- Animal handling

10.3 Pasture and nutrition (Animal Health)
- Pasture Management: ecological principles; veld types of Southern Africa; characteristics of veld types; feeding habits and selective feeding; division of veld into homogenous ecological units; principles of pasture management; principles of the resting of veldt; invasive plants; planted pastures
- Nutrition: chemical composition of feeds; energy and protein standards of feeds, digestion of feeds, nutritional requirements of farm animals; classification and nutritional values of feeds; feeding of various groups of animals

10.4 Agricultural economics (Animal Health)
- Discuss the importance of agricultural products to South Africa and how these products reach the consumer.
  - Market trends are interpreted and predicted correctly.
  - Applicable examples of marketing methods are listed and described.
  - Describe how end users/consumers and their specific needs are identified and products are adapted accordingly.
  - Identify viable marketing channels and draft a marketing plan.
- Illustrate the importance of agriculture on the economy of South Africa and compare this internationally.
  - The role of agricultural economics is discussed.
  - Data on South African agriculture is compiled by using appropriate references and sources.
  - Relevant data for statistical purposes are collected, processed and used to calculate economic factors.
• Describe and give examples of the factors influencing the profitability of agriculture for the individual farmer and end user.
  ➢ The term profitability is defined and criteria to measure profitability are identified.
  ➢ Major economic problems in agriculture are identified and discussed.
  ➢ In given case studies, profitability is calculated correctly.

• Interpret the effect of national and international factors on the income of the farmer and recommend methods to overcome and manage these factors. Discuss international trade in agricultural products with regard to South Africa and southern Africa with reference to organisations like the European Union and the World Trade Organisation.
  ➢ Macroeconomic factors, e.g. inflation are discussed and compared.
  ➢ International trade and international factors are discussed and interpreted.
  ➢ International organisations are discussed, e.g. EU, WTO and the GATT.

10.5 Laboratory diagnostics (Animal Health)

• Identify the different types of smears for microscopic examination and prepare the smears.
  ➢ Smears are prepared in the laboratory to accepted principles and techniques.
  ➢ The preparation of smears is described verbally and in writing by using the appropriate technical terminology

• Prepare samples for submission to a veterinary laboratory. (The samples involved are samples relating to the most common diseases and abnormal conditions in domestic animals and wildlife in southern Africa and include blood samples, tissue samples, skin scrapings, milk samples and others.)
  ➢ Samples are prepared according to accepted procedures.
  ➢ Accurate descriptions are provided of how samples should be prepared and submitted and how relevant information on the samples should be obtained for every disease and abnormal conditions in animals that are studied.
  ➢ The organisation, structure and role of a state veterinary laboratory are correctly described in writing and verbally.

• Take and analyse samples and interpret the results. Describe the different techniques used to take and analyse faecal samples as well as interpreting the results, to collect samples for bacteriological examinations and to make and preserve skin scrapings for later laboratory investigations. The samples are taken from various animals during the practical session, namely cattle, small ruminants and horses.)
  ➢ Samples are taken and analysed according to generally accepted laboratory methods and techniques.
  ➢ Results are interpreted by applying knowledge of common animal diseases and abnormal conditions, including internal parasites of animals.
  ➢ The sampling procedure, analysis procedure and the results are described correctly in writing and verbally using accepted terminology.

• Conduct sampling and testing of urine for certain toxicological and disease conditions. (Urine of a variety of domestic animals is tested)
  ➢ Sampling and testing of urine are conducted according to generally accepted laboratory methods and techniques.
  ➢ Sampling procedures, analysis procedures and the results are described correctly in writing and verbally using accepted terminology, with reference to real tests as well as case studies.

• Explain the basic principles of serological testing and take samples for serology correctly. (Samples for testing for a variety of serological tests are obtained from different animals including cattle, wildlife and small ruminants.)
  ➢ The principles of serology are discussed for the various methods used in laboratory diagnostics by applying the knowledge of immunology and using the correct terminology.
The correct sampling and test method used for specific diseases and conditions are identified using knowledge of animal diseases.

- Explain the physical principle of light microscopy and use a microscope for diagnostic purposes.
  - A light microscope is used to identify samples.
  - The structure and function of a light microscope are explained verbally, in writing and by using graphics.

10.6 **Non Controlled Animal Diseases (Animal Health)**

- Classification of the causes of diseases
- Introductory immunology
- Internal parasites; external parasites
- Toxicology
- Metabolic diseases
- Digestive disorders and deficiency diseases
- Reproduction diseases
- Diseases of cattle
- Diseases of small stock
- Diseases of horses
- Diseases of pigs
- Diseases of poultry
- Diseases of dogs and cats
- Wildlife diseases
- Prevention of diseases in herds
- Veterinary Public Health

10.7 **Legal aspects and Controlled Animal Diseases (Animal Health)**

- Legal aspects
  - Legislation
  - Law enforcement
- Controlled animal diseases
  - Legislation relating to controlled animal diseases
  - Control of animal diseases
  - Tuberculosis and Brucellosis schemes in respect of cattle
  - Controlled viral, bacterial and protozoal diseases
  - Controlled diseases caused by external parasites

10.8 **Epidemiology (Animal Health)**

- Introductory concepts of epidemiology
- Uses of epidemiology
- Epidemiological approach towards diseases
- Disease occurrence
- Disease transmission
- Introductory biostatistics
- Methodology of epidemiology
- Serological epidemiology
- Epidemiological investigations
- Data management

**PLEASE NOTE**

11. **If candidates should require any additional information regarding:**

11.1 examination policy, the administration and organisation of the examination, they may direct their enquiries to:
Definitions: In these Rules

"Examination Officer" means the Chairperson of the Education Committee, a sub committee of Council, responsible for conducting the Registration Examination.

"Registration Examination/Examination" means an examination held under auspices of the South African Veterinary Council for persons without approved qualifications for purposes of registration to practice a Veterinary or Para-Veterinary Profession in South Africa.

"Secretariat" mean the officers of the Council at the registered address of the Council.

1. Examination dates

1.1 The Registration Examination is conducted annually in September in Pretoria. No supplementary examinations are held.

1.2 Recommended dates for the examination will be determined not later than January each year.

2. Requirements to sit the Registration Examination:

2.1 Application on the prescribed form completed and signed before a Commissioner of Oaths on or before 1 April. Late applications or incomplete applications are not accepted.

2.2 Payment of the prescribed non refundable fee.

2.3 A clear passport photograph.

2.4 Certified true copies of animal health technicians qualification certificates submitted with the application form. To confirm authenticity, original certificates must be produced prior to sitting the examination. The SAVC may require the submission of curricula should it deem it necessary.

2.5 A letter of good standing (not older than 3 months) from the veterinary authority in the country of origin or in the absence of a professional Council / Board or registering authority then a certified reference from the faculty where from the applicant qualified and/or from the present employer as well as a police clearance from the authorities in the country where the applicant was last employed.

2.6 Proof of identity e.g. Passport must be provided on the first day of the Examination.

2.7 Certified copy of applicant’s legal permit e.g. work, study or other legal visa. If you are working in SA then the work/residence permit must accompany the application.

2.8 Applicants must submit proof of proficiency in English as a requirement to sit both the written examination and to undertake the practical examination. Any formal training and proof thereof will be accepted. The requirement is waived for persons whose medium of instruction for their veterinary training was in English.

3. Examination Rules

3.1 An Attendance Register with the names of candidates will be available at the examination room (See 3.2 below)

3.2 Candidates must present themselves at the Examination venue at least 15 MINUTES prior to commencement of the written and practical examinations. A candidate whose name is on the Attendance Register may be allowed to enter the Examination room for a period of 30 MINUTES after commencement of the Examination at the discretion of the Examination Officer. No one may leave the Examination room during the first 30 MINUTES of the Examination.
3.3 Candidates must ensure that their names and candidate numbers are correctly filled in on the examination papers, answer books and answer sheets.

3.4 Candidates must carefully read and comply with the directions given on the examination cover sheets and on the question papers.

3.5.1 A candidate may not be in possession of books, electronic equipment, memoranda, note(s), sketches, maps, films or any other documents (including unused paper) or any other resources that may be relevant to the Examination, other than what is provided to the candidate by the Examination Officer. The SAVC will make calculators available to candidates.

NOTE: Candidates involved in Examination irregularities will immediately be suspended from the Examination and the matter referred to Council.

3.5.2 A candidate who aids or attempts to aid another candidate, or obtains or attempts to obtain assistance from another candidate, or communicates or attempts to communicate in any way with another candidate or unauthorised person, may be disqualified.

3.5.3 All rough work must be done in the answer book and be clearly marked as such and ruled off when no longer needed.

3.5.4 No part of the answer book is to be torn out or mutilated in any way.

3.5.5 Under no circumstances may a candidate retain the answer book or remove it from the examination room.

3.6 Smoking, eating and drinking are prohibited in the Examination room, other than what is provided by the SAVC.

3.7 The Examination Officer and moderators for each Paper will be present at the commencement of the examination and for at least 20 minutes to answer any questions that the candidates may have and to give direction with regard to time available, identifying answering sheets, etc.

3.8 Contact with the Examination Officer will be possible during the examination should the need arise. Candidates will sign the attendance register on handing in their papers.

3.9 The candidates will leave the examination room as soon as the papers are handed in. Candidates may not re-enter the examination room until the examination has been completed. No extra time will be allocated for the completion of the examination paper.

3.10 Candidates must please note that the practical examination may be conducted at a different venue from that of the written examinations. A marked road map will be available from the Secretariat.

3.11 A sub-minimum of 40% in each of the two papers of the written examination and a sub-minimum of 40% in the practical examination as well as a final combined mark of 50% is required to pass the examination and allow registration. Papers one and two will contribute equally to a mark for the written component. The final combined mark will be computed as follows:

Written component: 60%
Practical component: 40%

3.11.1 A candidate who does not at least achieve the sub minimum of 38% in the written component of the examination will be prevented from entering the practical examination. No practical roster will be issued prior to the finalisation of the written examination.

3.11.2 Permission to enter the practical examination with any component below the 40% sub-minimum will be subject to a review of that component by means of a comprehensive re-mark. All queries/complaints arising from automatic exclusion should be submitted in writing to the administration.

3.12 Council does not accept responsibility for incorrect information obtained from unauthorised persons on examination arrangements/or results. All enquiries must be made directly to the Secretariat. The results will only be made known once ratified by Council.
3.13 Requests to have the written papers remarked or to be allowed to participate in the practical examination must be received in writing immediately receipt of the notification to proceed with the practical or not permitted to proceed with the practical examination, subject to payment in advance of the prescribed fee.

VC 6/2 .26 Admin.rules 26/01/09
Final 10/2/09
Two written papers of three hours each, 180 marks each:

**PAPER ONE:**

**SECTION I**

Includes questions on

- Section I A: Anatomy [20]
- Section I B: Physiology [25]
- Section I C: Nutrition [20]
- Section I D: Pasture Management [25]

Total: 90

**SECTION II**

Includes questions on

- Section II A: Animal breeds [15]
- Section II B: Animal production [20]
- Section II C: Animal handling [15]
- Section II D: Immunology [15]
- Section II E: Laboratory Diagnostics [25]

Total: 90

**PAPER TWO:**

**SECTION I**

Includes questions on

- Section I A: Diseases of farm animals [30]
- Section I B: Diseases of poultry [15]
- Section I C: Veterinary Public Health [20]
- Section I D: Toxicology [15]
- Section I E: Parasitology [20]

Total: 100

**SECTION II**

Includes questions on

- Section II A: Controlled Diseases [20]
- Section II B: Laws / Regulations relevant for AHTs [20]
- Section II C: Epidemiology [40]

Total: 80
Persons in foreign countries should please note that payments to the South African Veterinary Council should be remitted to ABSA Bank Limited, Hattfield Branch (Bank reference 335 545) Pretoria for credit of Account 020 166 762 and payees are to ensure that the amount transferred is the correct amount in South African Rand. When transfers are made ABSA must be advised of the details pertaining to payment, as follows:

Payment for application to sit registration with the South African Veterinary Council

Person’s name: ________________________________
Copy of Identity document: ________________________________
Date of payment: ________________________________

Please advise the South African Veterinary Council of transfer of payment, as follows:

Person’s name: ________________________________
Name of bank of origin: ________________________________
Payee’s account number: ________________________________
Amount of payment: ________________________________
Date of payment: ________________________________

Fax the information to 0027 (012) 342 4354

SAVC REGISTRATION EXAMINATION
ANIMAL HEALTH TECHNICIANS
LIST OF PRACTICAL PROCEDURES

Candidates should be able to demonstrate and/or explain how to do the following during a practical/ oral examination:

1. Restrain the head of a cow and pull out the tongue
2. Restrain the head of a cow and relieve choke
3. Estimate the age of the cow, sheep, goats, horse based on the teeth of the animal
4. Put a temporary halter on a cow
5. Put a nose tong (nose lead) in the nose of a cow
6. Cast a cow using a double half-hitch or burley casting method
7. Use the tail restraint to keep an animal from kicking
8. Dose a cow using a dosing gun
9. Pass a stomach tube in a cow
10. Give an intramuscular injection
11. Give a subcutaneous injection
12. Give an intravenous injection in the various farm animals in the various locations, i.e. tail vein, jugular, etc.
13. Examine and evaluate the mucous membranes in an animal
14. Take the temperature, pulse and respiration of an animal.
15. Read a thermometer quickly and easily.
16. Examine in the live animal the main lymph nodes, for example, the mandibular, prescapular, prefemoral, popliteal and supramammary lymph nodes.
17. Lift and examine the feet of a cow, use a hoof knife, hoof trimmer
18. Restrain sheep and goats for vaccination, examination of feet etc.
19. Trim hooves of sheep and goats.
20. Estimate the live mass of animals
21. Calculate dosages of drugs based on live mass of animal.
22. Do a skin scraping/ wool scraping
23. Collect a sample from a suspect rabies animal with correct completion of documentation.
24. Prepare a blood smear from a cow, horse, sheep, goat or dog
25. Stain a blood smear using Diff Quick, Giemsa.
26. Bring a blood smear into focus under oil immersion on the microscope.
27. Identify Anaplasma, Babesia spp and white blood cells on the blood smear.
28. Perform a very basic post mortem (PM) on an animal.
29. Prepare brain smears from heart water suspect animals.
30. Identify Heart water organisms in the endothelial cells on the brain smear.
31. Collect blood from the coccygeal vein (tail) and jugular veins.
32. Collect specimens from PM for histopathology, e.g. liver, kidney and fix in formalin.
33. Collect specimens from PM for bacteriology/toxicology/serology etc. Take sterile swabs without contamination from surrounding tissue.
34. Apply an elastrator band to dock the tails of a lambs/piglets.
35. Perform the open method for tail docking/castrations in lambs.
36. Castrate an animal using a Burdizzo.
37. Do a California Milk Test (CMT).
38. Collect a sterile milk sample for culture from all udder quarters and from a bulk tank.
39. Recognise various drugs e.g. an antibiotic, anti-inflammatory, oxytocin, oestrogen, etc and tell when or under what circumstances they could be used.
40. Recognise a dosing remedy and interpret the efficacy tables on the product label. Calculate dosages for different animals.
41. Recognise a dipping remedy and calculate dipwash strengths for the various dipping method.
42. Perform an interdermal tuberculin test and interpret after 72 hours.
43. Collect handle and transport sheath wash samples.
44. How to attend to a swelling on an animal that is suspected of being an abscess or a septic wound.
45. How to collect a faecal sample.
46. How to perform dehorning and/or branding.

Candidates who write the examination should be able to identify the following instruments and describe/explain what they are used for:

1. Burdizzo
2. Emasculator
3. Elastrator
4. Elastrator bands
5. Hot dehorning bolt
6. Keystone dehorner / guillotine
7. Wire saw, OB wire saw, dehorning wire saw, embryotomy wire saw
8. Hoof trimmer for small stock
9. Hoof trimmer for large stock
10. Hoof knife
11. Trochar and cannula
12. Dosing gun/dosing syringe
13. Rumen magnet
14. Ear notcher
15. Tattoo applicator tong (sheep/cattle)
16. Dental float
17. Horse twitch
18. Nose tongs
19. CMT paddle
20. Foetal extractor/calf puller
21. OB chains/rope
22. Vaginal speculum
23. Gag/mouth speculum
24. Nasogastric tube/stomach tube
25. Vaccutainer sleeve
26. Scalpel handle/blade
27. Petri dish
28. Micro-haematocrit tube
29. Different gauges and lengths of hypodermic needles and what they are used for.
30. Different sizes of syringes and what they are used for.