

Minimum eligibility criteria and Selection Procedure for the post of Veterinary Inspector

Minimum eligibility criteria:

1. Passed 10+2 class (with Biology/Mathematics, Chemistry, Physics and English) from a recognized Board.
2. Two years Diploma in Veterinary Science and Animal Health Technology/ Veterinary Pharmacy from a recognized institute affiliated to a State University.
3. Candidate must have passed Matriculation examination of Punjabi Language from Punjab School Education Board or any other recognized Board (as first or second or as additional language) or any other equivalent examination in Punjabi language which may be specified by the Guru Angad Dev Veterinary and Animal Sciences University from time to time on or before the last date of submission of application.

Job Responsibilities:

1. To assist the Clinician in handling of clinical cases, scientific studies.
2. To assist in the management of livestock farms.
3. Vaccination and collection of samples.
4. To maintain records of cases, medicines, hospital/inventory, scientific observation/ data.
5. To perform such other duties as may be assigned from time to time.

Selection Procedure:

Step 1: Exam-I: Punjabi Language Test (Matric Level)

- Qualifying in nature only.
- Minimum qualifying marks: 50%
- The maximum duration of examination will be 60 minutes.
- Marks shall not be counted towards final merit.
- There will be no negative marking.
- The format of the exam is as under:

Topic	No. of Questions	Marks	Type of Questions
Punjabi (<i>Annexure-I</i>)	40	40 (Each question carries 1 mark)	MCQ (Multiple Choice Questions)
Translation of Twenty English words (20) to Punjabi	1 set of 20 questions	10 (Each question carries 0.5 mark)	Objective question
Total		50	

Note: Candidates qualifying in Exam-I will be called to appear for the Exam-II.

Step 2: Exam-II: Main Examination

- Exam shall consist of two parts: PART-A and PART-B.
- Weightage shall be counted towards the final merit.
- To qualify, a candidate must score a minimum of 40% marks in both PART-A and PART-B separately.
- **Negative marking:** 0.25 mark shall be deducted for every wrong answer.
- The maximum duration of examination will be 100 minutes.

- The format of the exam is as under:

Topic	No. of Questions	Marks (Each question carries 1 mark)	Type of Questions
PART-A: General Knowledge and Current Affairs; Punjab History and Culture; Logical Reasoning & Mental ability; Punjabi; English; ICT. (Annexure-II)	30	30	MCQ (Multiple Choice Questions)
PART-B: Questions from the Core Subject (Annexure-III)	70	70	MCQ (Multiple Choice Questions)
Total	100	100	

Step 3: Preparation of merit

- Scrutiny of application forms/documents shall be carried out after conduct of above steps for candidates qualifying the prescribed steps 1 and 2. Eligibility shall be determined as on the last date of submission of applications.
- A merit list shall be prepared as per the following scorecard, and uploaded on the university website:

Criteria	Weightage (%)
Marks obtained in Exam-II	80
Experience (Annexure – IV)	20
Total	100

- In case of tie in the merit:
 - Candidate older in age shall be ranked higher.
 - If tie still persists, candidate securing higher percentage of marks in Diploma shall be ranked higher.
 - If tie still persists, candidate securing higher percentage of marks in Matriculation Examination shall be ranked higher.

Step 4: Document Verification: A suitable number of Candidates will be called for document verification as per the final merit list. Candidate must prove his/her eligibility by producing original documents during document verification.

Note:

- The decision of the University regarding eligibility, conduct of examination, evaluation and selection shall be final.
- Only candidates qualifying all prescribed stages shall be considered for selection.
- Mere appearance in examination / document verification shall not confer any right to selection.
- Use of unfair means / misconduct during examination or recruitment process shall lead to cancellation of candidature and legal action, wherever required.

Exam-I: Punjabi Language Test (Matric Level) Syllabus

1. ਜੀਵਨੀ ਅਤੇ ਰਚਨਾਵਾਂ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ-
ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ, ਸ੍ਰੀ ਗੁਰੂ ਅੰਗਦ ਦੇਵ ਜੀ, ਸ੍ਰੀ ਗੁਰੂ ਰਾਮਦਾਸ ਜੀ,
ਸ੍ਰੀ ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ, ਸ੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ, ਸ੍ਰੀ ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ।
2. ਵਿਰੋਧਾਰਥਕ ਸ਼ਬਦ, ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ।
3. ਮੁਹਾਵਰੇ।
4. ਅਖਾਣ।
5. ਸ਼ਬਦ ਦੇ ਭੇਦ।
6. ਅਗੋਤਰ/ਪਿਛੇਤਰ।
7. ਵਚਨ ਬਦਲੇ ਤੇ ਲਿੰਗ ਬਦਲੇ।
8. ਵਿਸਰਾਮ ਚਿੰਨ੍ਹ।
9. ਸ਼ਬਦਾਂ / ਵਾਕਾਂ ਨੂੰ ਸੁੱਧ ਕਰਕੇ ਲਿਖੋ।
10. ਅੰਗਰੇਜ਼ੀ ਸ਼ਬਦਾਂ ਦਾ ਪੰਜਾਬੀ ਵਿੱਚ ਸੁੱਧ ਰੂਪ।
11. ਅੰਕਾਂ, ਮਹੀਨੇ, ਦਿਨਾਂ ਦਾ ਸੁੱਧ ਪੰਜਾਬੀ ਰੂਪ।
12. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ।
13. ਪੰਜਾਬ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ।
14. ਪੰਜਾਬ ਦੇ ਸਭਿਆਚਾਰ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ।

Annexure –II

Exam-II: Main Examination (PART-A) Syllabus

No. of questions: 30

Max. Marks: 30

Sr. No.	Indicative Contents of Syllabus	Weightage (Approx.)
1	General Knowledge and Current affairs of National and International importance including: Polity issues, Environment issues, Current Affairs, Science and Technology, Economic issues, History of India with special reference to Indian freedom struggle movement, Sports, Cinema and Literature, Geography.	5
2	Punjab History and Culture: Physical features of Punjab and its ancient history. Social, religious and economic life in Punjab. Development of Language & literature and Arts in Punjab, Social and culture of Punjab during Afgan/Mughal Rule, Bhakti Movement, Sufism, Teachings/History of Sikh Gurus and Saints in Punjab. Adi Granth, Sikh Rulers, Freedom movements of Punjab.	5
3	Logical Reasoning & Mental Ability: Logical reasoning, analytical and mental ability. Basic numerical skills, numbers, magnitudes, percentage, numerical relation appreciation. Data analysis, Graphic presentation charts, tables, spreadsheets.	5
4	ਪੰਜਾਬੀ: ਸੁੱਧ-ਅਸੁੱਧ, ਸ਼ਬਦਜੋੜ, ਅਗੇਤਰ ਅਤੇ ਪਿਛੇਤਰ, ਸਮਾਨਾਰਥਕ/ਵਿਰੋਧੀ ਸ਼ਬਦ, ਨਾਂਵ, ਪੜਨਾਂਵ ਅਤੇ ਕਿਰਿਆ ਦੀਆਂ ਕਿਸਮਾਂ ਤੇ ਸਹੀ ਵਰਤੋਂ, ਲਿੰਗ ਅਤੇ ਵਚਨ, ਪੰਜਾਬੀ ਅਖਾਣ ਤੇ ਮੁਹਾਵਰੇ, ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ ਅਤੇ ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ ਆਦਿ।	5
5	English: Basic Grammar, Subject and Verb, Adjectives and Adverbs, Synonyms, Antonyms, One Word Substitution, Fill in the Blanks, Correction in Sentences, Idioms and their meanings, Spell Checks, Adjectives, Articles, Prepositions, Direct and Indirect Speech, Active and Passive Voice, Correction in Sentences, etc.	5
6	ICT: Basics of computers, Network & Internet, Use of office productivity tools. Word, Excel, Spreadsheet & PowerPoint.	5
	Maximum Marks	30
Note:		
<ol style="list-style-type: none"> 1. The distribution of marks/question in each section is indicative. It may vary slightly. 2. Failing to secure 40% marks in the above examination will disqualify the candidate for the further Selection Procedure. 		

Exam-II: Main Examination (PART-B) Syllabus

No. of questions: 70

Max. Marks: 70

1. Elementary Animal Husbandry

Common breeds of cattle, buffalo, sheep, goat, pig, horse and poultry; Animal production systems; Principles of housing for farm animals; Routine managements practices for various categories of livestock (calves, heifers, pregnant and lactating animals etc.) and sick animals; Introduction to methods of castration; Milking techniques; Clean milk production concept, significance and factors affecting clean milk production; Sanitation and hygiene practices; Routine farm practices including wallowing, watering and bathing; Record keeping and responsibilities of veterinary inspector/ para-veterinarian; waste management, Identification techniques in animals, Bio-security methods at livestock farm.

2. Elementary Livestock Handling

An overview of animal behavior, Common tools used for animal control; Methods of restrain and handling of animals; Dentition, Farrier practices and shoeing, Hoof trimming in bovine; Prevention of cruelty to animals, Preparing animals for show/animal fair.

3. Elementary Animal Nutrition

Principles of animal nutrition; Digestive systems including rumination; Nutritional important of carbohydrates, lipids, proteins, vitamins, minerals and water; Common feeds and fodders; Scientific feeding and feeding schedule for different categories of livestock; Colostrums feeding- How, when and why to feed colostrums to calves? Feeding practice of cow & buffalo-Ration balancing; Anti nutritional factors; Feed additives; Hay and Silage making, Precautions in the storage of feed and fodder.

4. Basic Computer Applications

Knowledge about the computer accessories. Use of computer in handling and presenting veterinary and livestock data. Working in Windows operating system. Working with MS Word, Spreadsheets using MS Excel, Graphics and MS Power Point. Internet and World Wide Web, E-mail and internet services; Computer viruses, antivirus. Practice in Farm data recording.

5. Elementary Anatomy and Physiology of Animals

Introduction to anatomy and physiology of musculoskeletal, digestive, cardiovascular, respiratory, nervous, excretory, male and female reproductive and endocrine system; Mammary glands of domestic animals; Body cavities (Thoracic, abdominal and Pelvic) and its related organs. Basic physiological parameters of domestic animals.

6. Elementary Pharmacology

Introduction to Pharmacology, Nature and sources of drugs; Routes of drug administration; Dosage forms; Pharmaceutical processes; Handling of hazardous substances; Common antiseptics and disinfectants; Weights and measures; Pharmacy calculations; Classification of important drugs; Important Indigenous and allopathic drugs.

7. Elementary Veterinary Epidemiology and Public Health

Introduction to epidemiology, surveillance, and monitoring of common seasonal infectious diseases like Brucellosis, Rabies, Cysticercosis, TB, JD, Anthrax, FMD, Food borne pathogens, Public health considerations; Common zoonoses and their management; Disposal of cadaver; Concept of contagious, notifiable diseases and outbreaks.

8. Elementary Poultry Science

Poultry types-Layer, Broiler; Common breeds/strains of poultry; Meat and egg productivity, and production, Different housing/rearing systems; Management of layer and broiler farm; Brooding; Hatchery routines; Cleaning of poultry sheds and litter management; Bio-security; Feeding and poultry ration; Introduction to common poultry diseases; Vaccination.

9. Elementary Animal Husbandry Extension

Extension in rural welfare; Community development and rural sociology; Principles and objectives of veterinary and animal husbandry extension; Qualities of extension worker; Extension teaching methods; Extension and training programmers. Duties of veterinary inspector/ para-veterinarian; Communication tools and Role of media, Set-up of Animal Husbandry Department, Record maintenance at Veterinary Hospital, Government schemes for farmers benefits.

10. Elementary Animal Reproduction

Female genitalia of cattle, buffalo and goats, Reproductive cycle, Puberty, Oestrous cycle; Methods of heat detection including fern pattern; Gestation in domestic animals; Methods of pregnancy diagnosis; Abortion in domestic animals; Parturition and impending signs, Types of infertility in farm animals causes and remedies; Sexual health and herd health programme; Care and management of dam and new born calf, Introduction to parturient problems in dairy animals.

11. Elementary Andrology and Artificial Insemination

Study of male genitalia and gonads; Puberty, Methods of semen collection and storage; Handling of fresh/frozen semen; Artificial insemination including optimum time of AI; Diseases transmitted through semen.

12. Elementary Parasitology

Introduction to common parasites i.e., protozoa (Theileria, Babesia, Anaplasma and Trypanosomes), Tremetodes (Liver flukes, amphistomes and lung flukes), cestodes (Moneizia, Dipylidiumcaninum, Taeniasis, Hydatid cyst), nematodes (Toxocare, Hemonchus, Lung worm, filarial nematodes etc) and arthropods (Flies, Ticks, Mites, Fleas and myiasis) in livestock; Economic importance of parasitic diseases of livestock.

13. Procurement, Handling and Testing of milk

History of dairy development in India. Three tier structure of dairy cooperative. An introduction to Indian dairy industry with special reference to dairy sector in Punjab. Milk-definition, its composition, factors affecting the quality of milk and standards. Milk collection systems and its handling (transportation, reception and storage). Platform tests for quality analysis of milk. Important sanitary and hygienic practices for milk handling. Cleaning and its importance. Introduction to common detergents & sanitary agents. Milk pricing system and its concept.

14. Basic Livestock Health Management

Introduction to common diseases of livestock; Hemorrhagic Septicaemia. Brucellosis, Tuberculosis, Foot and Mouth disease, Rabies, Johne's disease, Glanders, Theileriosis, Classical swine fever, etc. Insecticide toxicities. Preventive health measures for bacterial, viral and parasitic diseases in various species.

15. Veterinary Hospital Maintenance

Maintenance of case record and log books of scheduled drugs Basic accounting; Preparation of bills and maintenance of consumable and non-consumable stock of hospital; History taking, Prescription reading and dispensing of drugs, Preparation of animals for surgical operation; Care and maintenance of surgical, anesthetic and other common equipments; Assisting veterinary surgeon in postoperative care; Hospital hygiene, Sterilization of operation theatre; Surgical pack and surgical instruments; Types of suture material, Categorization of biomedical waste, its disposal as per pollution control board regulations.

16. Elementary Veterinary Medicine

Introduction to digestive, respiratory, urinary and production systems and their diseases (Milk fever, Ketosis; Haemoglobinuria); Preliminary knowledge about indigestion, bloat, constipation, diarrhea, aspiration pneumonia and urinary incontinence, Mastitis; Common mineral and vitamin deficiencies, Hoof care.

17. Elements of Wound care and Management

Wound causes, classification; Types of wound dressings; Basic concepts of abscess, ulcers, haematoma, cyst, tumor and hernia; Clinical use of antiseptics, fly repellents, anti-maggot etc.; First aid in sick animals including fracture cases. Management of bloat; Hoof care.

18. Basic Clinical Pathology and Laboratory techniques

Handling of laboratory equipment, glassware and chemicals; Cleaning and sterilizing of laboratory wares; Basic microscopy principles; Blood collection techniques; Use of anticoagulants; Serum and plasma separation; Urine collection, preservation and common physical and chemical tests; Collection, preservation and dispatch of tissues for histopathology, Protocols for necropsy of mammals and poultry birds.

19. Practical On-Farm/Farmer's Door Training

Handling, management practices of Dairy farm, Stud Farm, Poultry Farm, Piggery Farm, Sheep and Goat farm, Routine farm operations including vaccination etc. Communication with farmers; Use of audio and visual aids for training for farmers; Organizing farmer interactions, Extension programmes viz. Kisan Mela, Livestock shows, Animal markets and Animal welfare camps.

20. Practical In-Clinics Training

Handling and dealing with sick animals, Record keeping; History taking; Sampling of body fluid/tissues; Medication; Pos-operative management of surgical patients; Care of pregnant animals; Vaccination; Preparation of solutions, lotions, tinctures, ointments, mixtures (carminatives, laxatives, purgatives, febrifuge etc.) Electuaries etc.

21. Practical Lab/Hospital Training

Handling of laboratory equipment; Methodology for transporting various samples to laboratory for examination; Blood smear preparation; Staining; Complete blood count; Serum and plasma separation; Preservations of serum, plasma and tissues; Urine examination; Preparation of smears for faecal examination.

22. Practical Bull Centre Training

Management of breeding bull; preparation of dummy; Artificial vagina preparation; Preparation of extenders; Handling of chilled and frozen semen, Storage of semen; Handling of liquid nitrogen including its containers; Artificial insemination; Record keeping.

Annexure-IV

- a) Only experience in State or Centre Government / Boards / Corporations / Universities will be considered, for which experience certificate must have been issued by the competent authority. No experience certificate from third parties shall be considered.

Experience Duration	Marks Awarded (Max. 20)
10 years or more	20
09 years or more, but < 10 years	18
08 years or more, but < 09 years	16
07 years or more, but < 08 years	14
06 years or more, but < 07 years	12
05 years or more, but < 06 years	10
04 years or more, but < 05 years	08
03 years or more, but < 04 years	06
02 years or more, but < 03 years	04
01 year or more, but < 02 years	02

- b) Marks in experience will be awarded only to those candidates possessing desired nature of experience i.e. of **Veterinary Inspector**.
- c) Candidates who fail to submit Experience Certificate in the requisite format (*Annexure-A*) within stipulated time will not be given any weightage for experience.
- d) The experience claimed by a candidate shall be subject to verification by the University. The University reserves the right to verify the experience from the concerned employer/Head Office and to call for any supporting records, including appointment/engagement orders, salary records, EPF records, ESIC records, attendance records or any other relevant documents, as may be considered necessary.
- e) Mere issuance of an experience certificate by any authority shall not automatically entitle a candidate to claim weightage for experience. The admissibility of experience for the purpose of eligibility and/or award of weightage shall be determined by the University in accordance with the conditions of the advertisement and applicable rules.