



**TRIPURA PUBLIC SERVICE COMMISSION
AGARTALA**

**Advt. No.
02/2023**

Online applications are invited from bonafide citizens of India for selection of candidates for recruitment to under mentioned in permanent posts of **Veterinary Officer (TVS, Gr.-V) (Group-B, Gazetted)** Government of Tripura in the scale of Revised Pay of Rs. 10,230- 34,800/- and Revised under Pay Matrix, 2018 at Level -13, Cell-1) **under Animal Resources Development Department.Govt. of Tripura.**

SC	ST	UR	Total Posts
16(sixteen) (Men-10 & Women-06)	25 (twenty five) (Men -16 & Women-09)	26 (twenty six) (Men-17 & Women-09) (01-Ex-Servicemen)	67 (Including 03 nos. PH) *

* Selection of 03 (three) nos.PH post will be governed in conformity with the decision of the Govt. of Tripura vide notification of GA(P&T) No .F. 23(38)-GA(P&T)/2019 dated 24/01/2020.

EDUCATIONAL & OTHER QUALIFICATIONS:

ESSENTIAL QUALIFICATIONS:

Degree in Veterinary Science from Recognized University.

Desirable qualification:-

Under Rule-8 of Principal Rule and Second Schedule (Item-5) following are added in addition to existing entries. Desirable eligibility & qualification: - a) Knowledge of Bengali or Kokborok b) PRTC would be required .

Age:- Maximum 40 years as on **28.02.2023**. Relaxable by 5(five) years in case of SC/ST/PH candidates and Government servants. However, the SC/ST/Govt. Servant will not get the further relaxation of 5(five) years over and above relaxation of 5(five) years which they are already entitled to get as SC/ST candidates.

In pursuance of GA(P&T) Department memo No. F.23 (11)/-GA(P&T)/2022 dated 11.07.2022 2(two) years age relaxation in upper age limit for all categories of candidates for direct recruitment in Govt. departments & PSUs. due to Covid - pandemic .

The last date of submission of online application is 28.02.2023 (upto 5.30 PM). The application (s) received after the closing date will not be entertained.

Selection procedure ; The Syllabus and Scheme of Examination will be governed as per "Annexure-A"

Pattern of Examination: as per "Annexure-B"

a) The Examination will be held in two successive stages namely (i) Written Examination and (ii) Interview/Personality Test. The Written Examination and Interview/Personality Test will carry 170 marks, and 30 (including 05 marks for knowledge of Kokborok / Bengali language) marks respectively.

b) In case of Written Examination OMR based (Multiple Choice type question pattern) there shall be negative marking of ¼(One-fourth) of the marks assigned to that question for each wrong answer/multiple answers.

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PERSONALITY TEST:-

a) Candidates will be called for the Interview/Personality Test on the basis of result of the Written Test as per the following ratio:

Number of vacancies	Number of candidates to be called for Personality Test (Category wise)
1(one)	5(five) candidates
2(two)	8(eight) candidates
3(three) and above	3(three)times the number of vacancies

It is also mentioned here that candidate(s) scoring marks equal to that of the last qualified candidate in the written Test shall also be called for next stage of the recruitment process

b) The total marks for the **Interview / Personality Test will be 30 marks**. Out of 30 marks **25 marks** shall be to assess the personal qualities of the candidate's e.g. intellectual ability, social traits interest in current affairs, critical power of judgment, variety and depth of interest, ability for leadership and moral integrity and **05 marks** to assesses knowledge of Kokborok / Bengali language.

c) The final selection will be made in order of merit on the basis of the marks obtained by a candidate in aggregate adding the marks obtained in the Written Examination and the Personality Test. If a candidate remains absent in Personality Test his/her candidature will not be considered for final selection.

Further, provided that, in the list of recommendation, merit position of candidates securing equal marks in aggregate and also of the same age will be decided on the basis of percentage of marks obtained in the minimum educational qualification prescribed in Recruitment Rules/ Service Rules.

(d) Ranks of the candidates are not prepared for the candidates beyond the recommendation list & wait list (if there be any).

Other Important information:-

1. Online Application Portal:

(a) Candidates will have to submit application through Online Application Portal only. The Commission will not entertain any hard copy application. Before submission of online application, read carefully the instruction to candidates regarding filling up of online application.

(b) Online Application Portal will be available on Commission's website from **30.01.2023 to 28.02.2023 (5.30 PM)**. Before applying for the post, an applicant shall register his/her bio-data particulars through One Time Profile Registration (OTPR) on the Commission's Website viz. tpsc.tripura.gov.in. Once applicant registers his/her particulars, a User ID is generated and sent to his/her registered mobile number and email ID. Applicants need to apply for the post using the OTPR User ID through the Commission's website.

(c) Applicants should avoid submitting multiple applications. However, if due to any unavoidable circumstances, any applicant submits multiple applications then he/she must ensure that the application with latest Receipt Number is complete in all respect.

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(d) In case of multiple applications, the application with latest Receipt Number shall only be entertained by the Commission and fee paid against one Receive Number shall not be adjusted against any other Receipt Number.

2. (a) Candidates are not required to upload with their applications any certificate in support of their claims regarding Age, Educational Qualifications, Permanent Resident Certificate/Citizenship Certificate, Scheduled Castes/ Scheduled Tribes and Persons with Benchmark Disability (PH), EX-Service Men, (Registration certificate issued by State Council or VCI etc) Registration certificate must be issued on and before closing date of submission of online application,

(b) Applicants must be in possession of the prescribed minimum qualification(s) for the post on the closing date for submission of application as mentioned in the advertisement. Their admission at all the stages of examination for which they are admitted for the Written Examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. Mere issue of admission certificate to the candidate will not imply that his/her candidature has been finally cleared by the Commission.

Written examination qualified candidates will be asked to submit all required documents at the Commission's office. On scrutiny of documents if a candidate found ineligible as per terms and condition of the advertisement (including prescribed recruitment fees) his/ her candidature will be rejected:

If employed, must apply through proper channel or attach a "No Objection Certificate" from his /her employer at the time of submission of documents. If the application is not routed through proper channel, at the day of interview candidates will have to submit "no objection Certificate". If employed after submission of application, "No Objection Certificate" from the concerned employer to be produced at the time of interview failing which his / her candidature will not be considered for preparation of final merit list. In that no objection certificate, it is to be clearly mentioned that your employer has "No objection" if you are considered for recruitment to the post for which you have applied for

(3) Rate of Recruitment Fees:

(a) Group-B Gazetted Posts: - Rs.350/- (Rupees two hundred) only for General Candidates and **Rs. 250/-**(Rupees one Hundred and Fifty) only for ST/SC/BPL card holders/Physically Handicapped Candidates. Recruitment fee so deposited is non-refundable.

(b) SC/ST Candidates of other States are not recognized by the Govt. of Tripura.

(c) If a candidate submits incomplete application in respect of terms & condition of the Advertisement and without requisite recruitment fee, his/her candidature will be rejected.

4. SC/ST Candidates of other States (not recognized by the Govt. of Tripura) should apply for unreserved vacancy as general candidate along with recruitment fee prescribed for general candidates

5. Decision of the Commission as to the eligibility or otherwise of a candidate at any stage of the selection process shall be final.

6. Assessment and evaluation of the answer scripts done by the Commission shall be final and shall not be open to scrutiny by any external authority.

7. Candidates are instructed to visit the Commission's website for information regarding steps of recruitment process time to time.

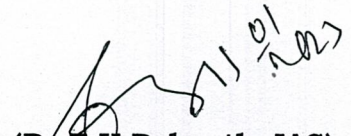
8. The Examination venue shall be closed 10 minutes before the scheduled commencement of Examination. No candidate shall be allowed entry into the examination venue after closure of entry. No functionary has any direction in this regard.

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9. Mobile Phone/Electronic Gadgets etc. are banned in the Campus of the Examination Premises /Interview Premises. Any Phone/ Electronic Gadget found in possession of any candidate in the Examination Premises /Interview Premises shall be confiscated forthwith and he^s/she may be debarred from appearing at the Examination /interview and also for the Examination(s)/Interview to be conducted by the Commission in future Violation of such instruction will be dealt as per Law.

10. Entry in the Examination hall/ Interview Premises with Jacket, Coat, Pull over & this type of garments will not be allowed .

11. For further information regarding the posts keep conduct within the Commission's Website www.tpsc.tripura.gov.in


(Dr. T.K. Debnath, IAS)
Secretary,
Tripura Public Service Commission

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ANNEXURE-A.

**SYLLABUS AND SCHEME OF EXAMINATION FOR THE POST OF VETERINARY OFFICER,
GRADE-V**

MCQ Part-I: English & General knowledge including current affairs(each carrying 10 question containing 1 marks each).

1. English:- 10 Questions (Marks- 1X10=10)

- Synonyms & Antonyms
- Use of common phrase & idioms
- Use of appropriate prepositions and articles
- Comprehension
- Ordering of words in a sentence
- Ordering of sentences
- Spotting of errors
- Use of appropriate and qualifying words etc.
- Parts of speech
- Gender, person & number.
- Tense- past, present & future.
- Voice change

2. General knowledge including current affairs:- 10 Questions (Marks=1X10=10)

- Geography of India:- Physical, Social & Economic.
- Geography of Tripura:- Natural resources with special reference to its soil, forest, water and power.
- History of Tripura:- During 1857 to 1949.
- Culture of Tripura:- Different Tribes, Languages, Customs, Festivals Important Historical sites etc.
- Indian polity and Economy:- Country's Political system and Constitution of India, Panchayati Raj, Community development, Economic development during plan periods.
- Science & Technology
- Current affairs of national and International importance

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MCO PART II: VETERINARY SCIENCES AND ANIMAL HUSBANDRY (150 Questions-150 marks)

Veterinary Anatomy:

General Osteology, Arthrology and Myology, General Angiology, Neurology and Aesthesiology, General Splanchnology, Applied anatomy, histology and Embryology.

Veterinary Physiology and Biochemistry:

Blood, cardiovascular, nervous and muscular systems, digestive and respiratory systems, excretory and endocrine systems, reproduction, lactation, growth physiology, General Veterinary biochemistry, intermediary metabolism.

Veterinary Extension Education:

Livestock based livelihoods and their evolution, transfer of technology for livestock development, communication and extension teaching methods.

Livestock Production Management:

General livestock management, fodder production and conservation, livestock production management-ruminants, poultry production management, swine production management.

Animal Genetics & Breeding:

History, Gregor Johan Mendel- Father of Genetics, Heredity and Variation and its Causes, Monohybrid Cross and Law (Principles) of segregation, Terminology in Genetics, Di-hybrid cross and law of Independent Assortment, Modified Mendelian Ratio, Interaction of Genes/Complementary, Multiple alleles, Inheritance related to sex, Hardy-Weinberg Equilibrium, Extension of Hardy-Weinberg Law, Selection, Metric Characters, Inbreeding, Effective Population size, Value and Means, Population Mean, Average Effect, Breeding Value, Dominance Deviation, Components of Variance, Interaction Variance, Environmental Variance, Resemblance Between Relatives, Heritability, Repeatability, Phenotypic, Genetic and Environmental Correlations, Genotype Environmental Correlation and Interaction, Diploid Chromosome number in different species of animals and birds, Chromosomal Aberrations, Introduction, Domestication of Animals, Animal Genetic Resources (AnGR) , Conservation of Animal Genetic Resources, Selection, Complications of selection, Methods of selection, Sire Evaluation, Combined Selection, Response to Selection, Selection Limit, Correlated Response to Selection, Indirect Selection, Recurrent and Reciprocal Recurrent Selection, Breeding/Mating System, Inbreeding, Effect of inbreeding on different kinds of gene action, Heterosis or Hybrid Vigour, Out breeding Systems, Crossbreeding, Synthetic Breeds of dairy cattle, Out crossing, Top crossing, Line crossing, Stain Crossing and Grading Up, Species Hybridization, Nucleus Breeding Systems (NBS), Livestock Breed Improvement Programmes, Breeding Strategies for Cattle and Buffaloes, Breeding plans for small ruminants and poultry.

Animal Nutrition:

Nutritional aspect of carbohydrates, protein and fats. Importance of minerals and vitamins in animals. Common feeds and fodders, their classification. Measures of food energy and their applications, Protein evaluation of feeds, Calorie protein ratio. Nutritive ratio. Processing of concentrates and roughages. Preparation, storage and conservation of livestock feed through silage and hay. Harmful natural constituents and common adulterants of feeds and fodders. Feed additives in the rations of livestock and poultry. Feeding standards for ruminant's formulation of rations as per Bureau of Indian

Standards, Feeding of dairy cattle and buffaloes during different phases of growth and production (neonate, young, adult, pregnant, lactating and dry animals). Feeding of goat during different phases of growth and production. Metabolic disorders and nutritional interventions. Use of NPN compound for ruminants, Balanced ration and its characteristics. Feeding standards for non-ruminants and poultry as per Bureau of Indian Standards. Feeding of swine (Piglets, Growers, Lactating and pregnant sows, Breeding boar, Fattening animals) and poultry (Starter, Growers, Broilers, Layers) with conventional and unconventional feed ingredients. Feeding of ducks.

Livestock Products Technology:

Composition and nutritive value of milk and factors affecting composition of milk. Physico-chemical properties of milk. Microbiological deterioration of milk and milk products. Collection, chilling, standardization, pasteurization, UHT treatment, homogenization, bacto-fugation. Dried, dehydrated and fermented milk. Introduction to functional milk products. Preparation of cream, butter, paneer or channa, ghee, lassi, dahi, ice-cream and dairy byproducts. Common defects of milk products and their remedial measures. Packaging, transportation, storage and distribution of milk and milk products. Good manufacturing practices and implementation of HACCP in milk plant.

Veterinary Microbiology:

Sterilization and disinfection, Cultivation of bacteria, bacterial stains and staining . Structure of bacteria. Studies on pathogenesis, epidemiology, diagnosis, prevention and control of following bacterial and fungal diseases: Staphylococcus; Streptococcus; Bacillus anthracis; Mycobacterium; Clostridium, Corynebacterium, Listeria , E.coli, Salmonella, Pseudomonas, Burkholderia, Pasteurella, Mannheimia, Brucella, Leptospira , Mycoplasma, Aspergillus, Dermatophytes, Mycotic mastitis and mycotic abortion; Mycotoxicoses. Structure of Viruses, Viral Replication. Studies on Pathogenesis, Epidemiology, Diagnosis, Prevention and Control of following Viruses and Prion diseases: FMD , Bluetongue, PPR, Orf, Rabies, Canine distemper, Infectious Canine Hepatitis , Parvoviral infection, Feline panleucopenia , Infectious bursal disease, Lymphoid leucosis, Marek's disease, Newcastle disease, Bird flu, Infectious laryngotracheitis, Egg Drop Syndrome , Litchi disease, Classical Swine fever , BVD, Pseudorabies, Duck Plague, African Swine Fever , Scrapie, Bovine Spongiform Encephalopathy. Transportation and processing of samples for bacterial, viral and fungal disease diagnosis. Concept on microbial biotechnology. Immunity; Immunoglobulins, Vaccines and vaccination.

Veterinary Public Health and Epidemiology:

One Health concept and initiatives. Role of Veterinarians in Public health. Principles and concepts of food hygiene and safety. Foodborne infections and intoxications associated with foods of animal origin. Milk hygiene in relation to public health. Milk hygiene practices in India and other countries. Elements of meat inspection and meat hygiene practices. Meat as a source of disease transmission. Sources of contamination of meat and methods of carcass decontamination, Speciation of meat. Hazard analysis and critical control points (HACCP) system. Definitions, components and aims of Epidemiology. Ecology of disease. Measures and Patterns of disease occurrence, strategies of disease management: prevention, control and biosecurity. Zoonoses, classification of zoonoses, multisectoral approach for prevention and control of zoonotic diseases, emerging, re-emerging and occupational zoonoses. Zoonotic pathogens as agents of Bioterrorism. Epidemiology, Clinical manifestations , Prevention and Control of the important Bacterial zoonotic diseases (Anthrax, Brucellosis, Tuberculosis, Leptospirosis, Listeriosis and Plague etc.) , Viral zoonotic diseases (Rabies, Japanese encephalitis,

Influenza, Kyasanur forest disease etc.) and Rickettsial zoonotic diseases(Q fever, and rickettsiosis etc.) and Parasitic zoonotic diseases(Taeniasis, Cysticercosis, Hydatidosis, Trichinellosis, and Toxoplasmosis etc.). National and International regulations on livestock diseases. Role of OIE and laws on international trade of animals and animal products. Environmental pollution: Sources, nature of pollutants, effects on animal and human health. Rural and urban pollution. Waterborne diseases – Classification, health hazard, prevention and control. Biosafety: Importance, classification and biosafety measures for prevention of risk hazards. Disaster management and mitigation Sanitation and disinfection of farm and hospital environment in veterinary public practice for infection control. Global warming and greenhouse effect.

Veterinary Pharmacology and Toxicology:

General Pharmacology, sources and nature of drugs, pharmacokinetics and pharmacodynamics, drug interaction, Drugs acting on Autonomic nervous system, central nervous system and drugs acting on different body systems, Veterinary Chemotherapy, Introduction of chemotherapy, antimicrobial agents, miscellaneous agents, antifungal agents, anthelmintics, drug abuse in animals, Introduction, fundamentals and scope of toxicology, toxicity caused by metals, non- metals, poisonous plants, agrochemicals, fungal and bacterial toxins and venomous bites and stings.

Veterinary Parasitology:

Common cestodes, trematodes, nematodes, flies, arthropods and protozoa of livestock and poultry of regional interest, their treatment and control.

Veterinary Pathology:

Pathology including aetiology, pathogenesis, gross and microscopic pathology of common viral, bacterial, fungal, protozoal and helminth infections in ruminants, swine, canine, feline and avian species. Pathological changes of nutritional imbalances due to carbohydrates, proteins, fats, minerals and vitamins and metabolic diseases in domestic animals and birds. Gross and microscopic pathology in (brief) of toxicities like arsenic, copper, lead, mercury, cadmium, strychnine, nitrate or nitrite, hydrocyanic acid, fluoride, selenium and oxalates; insecticide or pesticide poisoning, plant poisoning in animals and birds.

Veterinary Medicine:

Concept of animal diseases, diagnosis, differential diagnosis, treatment and prognosis of diseases, General systemic states hyperthermia, hypothermia, fever, septicaemia, toxoemia, shock and dehydration, Etiology, diagnosis, treatment, prevention and control of various systemic diseases of animals and birds, Metabolic and deficiency diseases in animals and birds, Bacterial, viral, fungal and Parasitic diseases: Etiology, Epidemiology, clinical manifestations, diagnosis, treatment, prevention and control, Veterinary Jurisprudence, ethics and animal welfare.

Veterinary Surgery & Radiology:

Definitions and classification of Surgery, Sterilization and Disinfection, Different Sutures and suture patterns. Definitions, classification, diagnosis and treatment of abscess, tumour, cyst, hernia. Wounds - definition, classification and diagnosis, general principles for treatment of aseptic, contaminated and septic wounds, healing and factors affecting wound healing, complications of wounds and their remedies. Management of surgical shock and concept of fluid therapy. Veterinary Anesthesia.

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Terminology, definitions and classifications, reversal agents or antidotes, local and regional anesthesia. Anesthetic emergencies and management. Veterinary diagnostic imaging – General terminology of radiology, X-rays, contrast agents and contrast radiography. Regional surgery of various parts and systems of the body of different species of animals. Bovine and canine lameness. Fractures and dislocations in large and small animals and their management. Rehabilitation and physiotherapy of orthopaedic patients.

Veterinary Gynecology and Obstetrics:

Applied anatomy and embryology of the female genital tract, Puberty and sexual maturity and their endocrine control, Estrous cycle and factors affecting the length of the estrous cycle, Aberrations of estrus and their clinical management, Ovulation and aberrations of ovulation – Incidence, causes, diagnosis, treatment and prevention of ovulatory failures, Fertilization and aberrations of fertilization – Fertilization failures, Infertility in various species of animals, Abortion in domestic animals – diagnosis and control, Multiple ovulation and Embryo Transfer Technology (MOET), In vitro fertilization in farm animals, Pregnancy Diagnosis in farm animals, Veterinary Obstetrics in farm and pet animals, Dystocia, types of dystocia, diagnosis and obstetrical interventions for treatment of dystocia, Veterinary Andrology, Evaluation of semen, Storage and shipment of semen, Artificial Insemination Technique.

P. Das 15/11/22

(Smti. P.Das)
Joint Secretary to the
Government of Tripura.

II. Pattern of Examination:-

- i. Evaluation of candidates will be done in two (2) stages viz. MCQ test followed by interview/personality test. Marks distribution will be as follows:

SL.	Name of paper	Name of the subjects	Number of Questions/ Maximum Marks
1	General study	MCQ Part I: English & General Knowledge including current affairs.	20
		MCQ Part II: Veterinary Sciences & AH.	150
2	Interview	(i) Interview/personality test.	25
		(ii) Knowledge of Kokborok /Bengali language.	05
TOTAL			200

- ii. Question paper for written exam will be of 170 marks (170 MCQ). Question will be of MCQ type carrying one (1) mark each.
- iii. Duration of examination will be of 180 minutes (3 hours).
- iv. There will be negative marking 0.25 Marks for every wrong answer.
- v. Minimum qualification marks in MCQ test should be as per standing norms of TPSC.
- vi. Number of candidates called for interview, preparation of merit list in any stage and final recommendation will be as per TPSC Guidelines in such cases.

15/11/22

(Smt. P. Das)
Joint Secretary to the
Government of Tripura