

જાહેરાત ક્રમાંક:૧૩/૨૦૨૨-૨૩, પશુચિકિત્સા અધિકારી, વર્ગ-૨ ની જગ્યા પર ભરતી માટેની

પ્રાથમિક કસોટીમાં ભાગ-૧ અને ભાગ-૨ ના ૧૮૦ મિનિટના સંયુક્ત પ્રશ્નપત્રનો

અભ્યાસક્રમ

પ્રાથમિક કસોટીનો અભ્યાસક્રમ		
ભાગ-૧		
કુલ પ્રશ્નો-૧૦૦	માધ્યમ: ગુજરાતી	કુલ ગુણ :૧૦૦
૧	ભારતની ભૂગોળ- ભૌગોલિક, આર્થિક, સામાજિક, કુદરતી સંસાધન અને વસ્તી અંગેની બાબતો- ગુજરાતના ખાસ સંદર્ભ સાથે	
૨	ભારતનો સાંસ્કૃતિક વારસો- સાહિત્ય, કલા, ધર્મ અને સ્થાપત્યો- ગુજરાતના ખાસ સંદર્ભ સાથે	
૩	ભારતનો ઇતિહાસ- ગુજરાતના ખાસ સંદર્ભ સાથે	
૪	ભારતની અર્થવ્યવસ્થા અને આયોજન	
૫	ભારતીય રાજનીતિ અને ભારતનું બંધારણ: (૧) આમુખ (૨) મૂળભૂત અધિકારો અને ફરજો (૩) રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો (૪) સંસદની રચના (૫) રાષ્ટ્રપતિની સત્તા (૬) રાજ્યપાલની સત્તા (૭) ન્યાયતંત્ર (૮) અનુસૂચિત જાતિ, અનુસૂચિત જનજાતિ અને સમાજના પછાત વર્ગો માટેની જોગવાઈઓ (૯) એટર્ની જનરલ (૧૦) નીતિ આયોગ (૧૧) પંચાયતી રાજ (૧૨) નાણા પંચ (૧૩) બંધારણીય તથા વૈધનિક સંસ્થાઓ- ભારતનું ચૂંટણી પંચ, સંઘ લોક સેવા આયોગ, રાજ્ય લોક સેવા આયોગ, કોમ્પ્રોલર એન્ડ ઓડિટર જનરલ; કેન્દ્રીયસતર્કતા આયોગ, લોકપાલ તથા લોકાયુક્ત અને કેન્દ્રીય માહિતી આયોગ	
૬	સામાન્ય બૌદ્ધિક ક્ષમતા કસોટી	
૭	સામાન્ય વિજ્ઞાન, પર્યાવરણ અને ઈન્ફર્મેશન એન્ડ કોમ્યુનિકેશન ટેકનોલોજી	
૮	ખેલ જગત સહિત રોજબરોજના પ્રાદેશિક, રાષ્ટ્રીય અને આંતરરાષ્ટ્રીય મહત્વના બનાવો	

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## Syllabus of Preliminary Test

### **Part-1**

Total Questions-100	Medium:Gujarati	Total Marks- 100
1	Geography of India-Physical, Economic, Social, Natural Resources and population related topics- with special reference to Gujarat	
2	Cultural heritage of India-Literature, Art, Religion and Architecture- with special reference to Gujarat	
3	History of India with special reference to Gujarat	
4	Indian Economy and Planning	
5	<u>Indian Polity and the Constitution of India:</u> (1) Preamble (2) Fundamental Rights and Fundamental Duties (3) Directive Principles of State Policy (4) Composition of Parliament (5) Powers of the President of India (6) Powers of Governor (7) Judiciary (8) Provisions for Scheduled Castes, Scheduled Tribes and backward classes of the society (9) Attorney General (10) NITIAayog (11) Panchayati Raj Institutions (12) Finance Commission (13) Constitutional and Statutory Bodies: Election Commission of India, Union Public Service Commission, State Public Service Commission, Comptroller and Auditor General; Central Vigilance Commission, Lokpal and Lokayukta, Central Information Commission	
6	General Mental Ability	
7	General Science, Environment and Information & Communication Technology	
8	Daily events of Regional, National and International Importance including Sports	

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**Syllabus for the Preliminary Test for the recruitment of  
Veterinary Officer, Class II, Advt. No. 13/2022-23**

**Marks – 200**

**Questions-200**

**Medium: English**

**1. Veterinary Anatomy**

General Osteology, Arthrology and Myology. General Angiology, Neurology and Aesthesiology. General Splanchnology. Fore limb. Head and neck. Thorax. Abdomen. Hind limb and pelvis. Cytology, cell junctions, basic tissues. Microscopic structures of digestive, circulatory, urinary, respiratory, nervous, lymphatic, endocrine, male and female genital systems and mammary glands of domestic animals. Study of microscopic structure of sense organs. Introduction to embryology, gametogenesis, fertilization, cleavage, types of eggs, morula, blastulation, gastrulation, types of implantation, twinning. Formation of foetal membranes in mammals and birds, Placenta and its classification. Different germ layers and their derivatives. Study of development of organs of digestive, respiratory, urinary, circulatory, lymphatic, nervous, musculoskeletal, male and female reproductive systems. Development of endocrine glands, sense organs.

**2. Veterinary Physiology**

Blood, Cardiovascular, Nervous and Muscular Systems. Digestive and Respiratory Systems. Excretory and Endocrine Systems. Reproduction, Lactation, Growth and Environmental Physiology.

**3. Veterinary Biochemistry**

General Veterinary Biochemistry. Intermediary Metabolism. Veterinary Analytical Biochemistry.

**4. Livestock Production Management**

General Livestock Management. Fodder Production and Conservation. Livestock Production Management-Ruminants. Zoo Animals Production Management. Animal Welfare. Poultry Production Management. Diversified Poultry Production and Hatchery Management. Laboratory or Rabbit or Pet Animal Production Management. Swine or Equine or Camel, Yak and Mithun Production Management.

**5. Veterinary Microbiology**

General & Systematic Veterinary Bacteriology. Veterinary Mycology. Microbial Biotechnology. Veterinary Immunology and Serology. General and Systematic Veterinary Virology.

**6. Veterinary Pathology**

General Veterinary Pathology. Systemic Veterinary Pathology. Animal Oncology, Veterinary Clinical Pathology and Necropsy. Pathology of Infectious and Non-Infectious Diseases of Domestic Animals. Avian Pathology. Pathology of Diseases of Laboratory and Wild Animals.

**7. Animal Genetics and Breeding**

Biostatistics and Computer Application. Principles of Animal and Population Genetics. Principles of Animal Breeding.

**8. Animal Nutrition**

Principles of Animal Nutrition and Feed Technology. Applied Ruminant Nutrition. Applied Non-Ruminant Nutrition.

**9. Veterinary Pharmacology**

General Pharmacology. Drugs Acting On Autonomic Nervous System. Drugs Acting On Central Nervous System. Drugs Acting

On Different Body Systems. Veterinary Chemotherapy. Veterinary Toxicology.

**10. Veterinary Public Health and Epidemiology**

Veterinary Public Health and Food Safety. (Veterinary Epidemiology. Zoonotic Diseases. Environmental Hygiene.

**11. Veterinary Parasitology**

General Veterinary Parasitology. Trematodes and Cestodes of Veterinary Importance. Nematodes of Veterinary Importance. Arthropods of Veterinary Importance. Protozoa of Veterinary Importance.

**12. Livestock Products Technology**

Milk and Milk Products Technology. Wool Science. Abattoir Practices and Animal Byproducts Technology. Meat Science.

**13. Veterinary and Animal Husbandry Extension.**

Extension Education and Development. Rural Sociology in Veterinary Extension. Transfer of Technology for Livestock Development. Livestock Economics and Marketing. Livestock Entrepreneurship. Information and Communication Technology: Strengths and limitations of ICTs application in livestock sector and farmers capacity building. Information kiosk, E-learning, CAD, virtual class room, virtual reality, multi-media etc. Cyber extension- problems and prospects in livestock extension. Contemporary Issues in Livestock Enterprises.

**14. Veterinary Surgery and Radiology**

Veterinary General Surgery. Veterinary Anaesthesiology. Veterinary Diagnostic Imaging Techniques. Regional Surgery. Orthopaedics and Lameness.

**15. Veterinary Medicine**

History and scope of Veterinary Medicine, concept of animal diseases. Concepts of diagnosis, differential diagnosis, treatment and prognosis. General systemic states, hyperthermia, hypothermia, fever, septicemia, toxemia, shock, allergy, anaphylaxis, oedema, coma, anaemia, common clinical poisonings and dehydration. Estimates of diseases, patterns of disease, disease monitoring and surveillance, herd health and quarantine. Systemic Diseases: Etiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention and control of the following diseases of cattle, buffalo, sheep, goat, horse, pig, dog, cat and poultry: Diseases of digestive, respiratory, cardiovascular, urinary, nervous, musculoskeletal, haemopoietic, and lymphatic systems, skin, sense organs including affections of peritoneum, liver and pancreas. Emergency medicine and critical care. Metabolic and Deficiency Disorders. Zoo and Wild Animal Medicine. Bacterial, Fungal and Rickettsia Diseases. Viral and Parasitic Diseases. Jurisprudence, Ethics, And Animal Welfare.

**16. Veterinary Gynaecology and Obstetrics**

Veterinary Gynaecology: Bovine. Equines. Ovines and caprines. Swines. Canines and Felines. Comparative reproductive events in camel. Principle, procedure and application of ultrasonography in farm and pet animal reproduction. Veterinary Obstetrics: Farm and pet animals. Veterinary Andrology and A.I.: Farm and pet animals.

**17. Current Trends and Recent Advancements in the field of Animal Husbandry and Veterinary Science.**

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