

જાગ્યાનું નામ: પ્રિન્સિપાલ / સુપ્રિન્ટેન્ડેન્ટ, સામાન્ય રાજ્ય સેવા,વર્ગ-૧ (જાહેરાત ક્રમાંક:-૦૪ /૨૦૧૯-૨૦)

	કુલ પ્રશ્નો:૩૦૦	પ્રાથમિક કસોટીનો અભ્યાસક્રમ Part-I	કુલ ગુણ -૩૦૦
	માધ્યમ: ગુજરાતી	સામાન્ય અભ્યાસ	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	<p><u>ભારતીય રાજનીતિ અને ભારતનું બંધારણ:</u></p> <p>(૧) આમુખ</p> <p>(૨) મૂળભૂત અધિકારો અને ફરજો</p> <p>(૩) રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો</p> <p>(૪) સંસદની રચના</p> <p>(૫) રાષ્ટ્રપતિની સત્તા</p> <p>(૬) રાજ્યપાલની સત્તા</p> <p>(૭) ન્યાયતંત્ર</p> <p>(૮) અનુસૂચિત જાતિ, અનુસૂચિત જનજાતિ અને સમાજના પછાત વર્ગો માટેની જોગવાઈઓ</p> <p>(૯) એટર્ની જનરલ</p> <p>(૧૦) નીતિ આયોગ</p> <p>(૧૧) પંચાયતી રાજ</p> <p>(૧૨) નાણા પંચ</p> <p>(૧૩) બંધારણીય તથા વૈધનિક સંસ્થાઓ- ભારતનું ચૂંટણી પંચ, સંઘ લોક સેવા આયોગ, રાજ્ય લોક સેવા આયોગ, કોમ્પ્ટ્રોલર એન્ડ ઓડિટર જનરલ; કેન્દ્રીય સતર્કતા આયોગ, લોકપાલ તથા લોકાયુક્ત અને કેન્દ્રીય માહિતી આયોગ</p>		
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		

Post: Principal / Superintendent, Class-I (Advt.No.04/2019-20) General State Service	
Total Questions:300 Syllabus of Preliminary Test Total Marks-300	
Part-I	
Medium: Gujarati	General Study
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) NITI Aayog (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

Syllabus for the Preliminary Test for the recruitment of Principal / Superintendent, General State Service Class-I (Advt.No.04/2019-20)

Marks: 200

Question: 200

Medium: English

Part-II

1. Anatomy

General Anatomy: Modern concepts of cell and its components, cell division, types with their significance, Tissues, Genetics. Development Anatomy, Regional anatomy.

2. Physiology

Introduction of cellular physiology, cell junction, transport through cell membrane and resting membrane potential, body fluids compartments, homeostatics. Body Fluids. Cardio-vascular system. Respiratory system and environmental physiology. Digestive system. Renal physiology and skin. Endocrinology. Reproductive system. Central nervous system. Special senses. Nerve muscle physiology. Bio-physical sciences.

3. Biochemistry

Chemistry and Metabolism of Carbohydrates, Lipids and Proteins. Enzymes. Vitamins. Minerals. Organ function tests.

4. Homoeopathic Philosophy

Symptomatology. Causations: Thorough comprehension of the evolution of disease, taking into account pre-disposing, fundamental, exciting and maintaining causes. Case taking. Case processing: Analysis of Symptoms, Evaluation of Symptoms, Miasmatic diagnosis, Totality of symptoms.

5. Homeopathic Pharmacy

Basics of Homeopathic pharmacy, standardization of drugs and vehicles, Homoeopathic drug providing, History of pharmacy with emphasis on emergence of Homoeopathic Pharmacy, Official Homoeopathic

Pharmacopoeia (Germany, Britain, U.S.A., India), Important terminologies like scientific names, common names, synonyms, Definitions in homoeopathic pharmacy, Components of Pharmacy, Weights and measurements, Nomenclature of homoeopathic drugs with their anomalies. Homoeopathic Pharmacodynamics, Drug Proving and merits and de - merits of Drug Proving on Humans and Animals.

6. Homoeopathic Materia Medica

Definition, Basic concepts, construction, Classification, Sources, Scope and Limitations. Basic materia medica: Source of material medica, Drug providing, and collection of symptoms-classification of symptoms, construction of material medica, Science and philosophy of material medica, Source of drugs, family of group characteristics and drug relationship. Comparative material medica: Comparative study of symptoms, drug pictures therapeutic indications of all drugs.

7. Repertory:

Repertory: Definition; Need; Scope and Limitations, its relation with organon of medicine and materia medica. Repertories and Repertorisation: Case taking and processing, Source and Origin of the repertory, Different types, Merits and demerits of repertories, Methods & Classification of Repertorisation. Study of different Repertories (Kent, Boenninghausen, Boger Boenninghausen): History, Philosophical background, Structure, Concept of repertorisation, Adaptability. Scope, Limitation. Gradation of Remedies by different authors. Methods & techniques of repertorisation. Steps of repertorisation. Terms & language of repertories (Rubrics) cross references in other repertories and material medica. Conversion of symptoms into rubrics and repertorisation using different repertories.

8. Practice of medicine:

General medicine including tropical medicine, Miasmatic study of diseases, cases, medicines, Diagnostic procedures, Practice of homoeopathy in

general medicine including tropical medicine, Scope and limitations of homoeopathy in the management of disorders related to life threatening diseases.

9. Paediatrics:

Diseases of children including nutritional, behavioral disorders, preventive aspects of threatening diseases, Miasmatic study of Diseases, cases, medicines., diagnostic procedures, Practice of Homoeopathy in Pediatrics.

10. Psychology

Basics of Psychology, Study of behavior and intelligence, Basic concepts of Sensations, Emotion, Motivation, Personality, Anxiety, Conflict, Frustration, Depression, Fear, Psychosomatic Manifestations.

11. Pathology

Pathology in relation with Homoeopathic Materia Medica, Correlation of miasms and pathology, Characteristic expressions of each miasm., Classification of symptoms and diseases according to pathology, Pathological findings of diseases; their interpretation, correlation and usage in the management of patients under homoeopathic treatment. General Pathology. Systemic pathology.

12. Microbiology

Introduction, History and scope of medical microbiology, Normal bacterial flora, Pathogenicity of micro-organisms, Diagnostic microbiology. Immunology. Bacteriology. Fungi and Parasites. Introduction, Nature and classification of viruses, Morphology and replication of viruses, DNA viruses, RNA viruses. Infection and Disease: Pathogenicity, mechanism and control, Disinfection and sterilization, Antimicrobial chemotherapy, Microbial pathogenicity.

13. **Forensic medicine**

Definition of forensic medicine, History of forensic medicine in India, Medical ethics and etiquette, Duties of registered medical practitioner in medico-legal cases. Legal procedure. Personal identification. Death and its medico-legal importance. Injury and its medico-legal importance. Forensic psychiatry. Post-mortem examination (autopsy). Impotence and sterility. Abortion and infanticide. Sexual Offences.

14. **Toxicology**

General Toxicology: Forensic Toxicology and Poisons, Diagnosis of poisoning in living and dead, General principles of management of poisoning, Medico-legal aspects of poisons, Antidotes and types.

Clinical toxicology: Types of Poisons- Corrosive poisons, Irritant poisons, Asphyxiant poisons, Neurotic poisons, Cardiac poisons, Miscellaneous poisons.

15. **Gynaecology and Obstetrics**

Gynaecology: Applied anatomy and applied physiology of female reproductive systems. Gynaecological examination and diagnosis. Developmental anomalies, Uterine displacements, Sex and intersexuality. Infections and ulcerations of the female genital organs, Injuries of the genital tract, Disorders of menstruation, Menorrhagia and dysfunctional uterine bleeding, Disorders of female genital tract, Diseases of breasts, sexually transmitted diseases, Endometriosis and adenomyosis, Infertility and sterility, Non-malignant growths, Malignancy, Chemotherapy caused complications. Homeopathic Management and therapeutics in Gynaecology.

Obstetric: Fundamentals of reproduction, Development of the intrauterine pregnancy. Diagnosis of pregnancy. Induction of labour. Postnatal and puerperal care, Care of the new born. Types of labour and complications. Common disorders and systemic diseases associated with pregnancy, Common obstetrical operations.

Emergency obstetric care, Infant care. Reproductive and child health care (a) safe motherhood and child (b) MCH care (c) Maternal mortality and morbidity (d) Perinatal mortality and morbidity (e) Diseases of foetus and new born.

16. **Community Medicine**

Man and Medicine. Concept of health and disease in conventional medicine and homoeopathy. Nutrition and health. Environment and health. Water. Occupational health. Preventive medicine in pediatrics and geriatrics. Epidemiology: Principles and methods of epidemiology, Epidemiology of communicable and non-communicable diseases. Protozoan and helminthic infections.

17. **Surgery**

Principles of surgery, fundamentals of examination of a patient with surgical problems, use of common instruments for examination of a patient, physiotherapy measures, applied study of radio-diagnostics, knowledge of causation, manifestations, management and prognosis of surgical disorders. Role of homoeopathic treatment in pseudo-surgical and true surgical diseases. General Surgery and Systemic Surgery.

18. **ENT**

Ear: Applied anatomy and applied physiology of ear, Examination of ear, Diseases of external, middle and inner ear. **Nose:** Applied anatomy and physiology of nose and paranasal sinuses, Examination of nose and paranasal sinuses, Diseases of nose and paranasal sinuses. **Throat:** Applied Anatomy and applied Physiology of pharynx, larynx, tracheobronchial tree, oesophagus, Examination of pharynx, larynx, tracheobronchial tree, oesophagus, Diseases of Throat (external and internal) and oesophagus.

19. Ophthalmology

Applied Anatomy, Physiology of eye, Examination of eye, Diseases of eyelids, eyelashes and lacrimal drainage system, Diseases of Eyes including injury related problems.

20. Dentistry

Applied anatomy, physiology of teeth and gums, Milestones related to teething, Examination of Oral cavity, Diseases of gums, Diseases of teeth, Problems of dentition.

21. Legislations relating to medical profession

The Homoeopathy Central Council Act, 1973 (59 of 1973). The Medical Termination of Pregnancy Act, 1971 (34 of 1971); the Drugs and Cosmetics Act, 1940 (23 of 1940) and the rules made therein; Pre-natal Diagnostic Techniques (Regulation and Prevention of Misuse) Act, 1994. Homoeopathic Practitioners (Professional Conduct, Etiquette and Code of Ethics) Regulations, 1982.

22. Research methodology and Biostatistics

Research Biomedicine, Need of Research and Research Challenges in Homoeopathy, Types and Planning of Research Studies. Design and control of clinical trials, Data collection and Data management, Assessing and reporting adverse events, Ethical issues in biomedical research, Writing & Publishing research studies. Definition and scope of Biostatistics in clinical research, Types of data methods of data presentation, Descriptive statistics, Correlation and regression, sampling techniques and sample size estimation, Measure of Mortality, Data analysis, Use of statistical software.

23. Current Trends and Recent Advancements in the field of Homeopathy.