

Tamil Nadu Public Service Commission
Syllabus
Community Medicine
(Degree Standard)

Code: 392

Unit I: Evolution and Basic Concepts of Public Health (10 Questions)

History of Social Medicine, Preventive Medicine and Community Medicine - History of Public Health - Definition of Health, Spectrum of Health – Determinants of Health - Dimensions of Health – Indicators of Health and wellbeing - Natural History of Disease – Concepts of Control and Prevention – Modes of Prevention – Levels of Prevention – Community Diagnosis – Roles and Responsibilities for Health - Individual, Community, State, International, and Private Sector in Health – International Classification of Diseases.(ICD)

Unit II: Health Administration and Planning, Health Care of the Community (10 Questions)

Health Committees and Development of Health services in India – Health Planning Objectives – Planning Cycle – Planning for a Health Programme – Management Process, Methods and Technique – National Health Policy – Health Systems in India; Public, Private, NGO – Health Financing – Evaluation and Monitoring of a Health Programme – Comprehensive Primary Health Care – Principles of Primary Health Care – Levels of Health care – Health for All – Millennium Development Goals (MDGs), Sustainable Development Goals (SDGs), Universal Health Coverage (UHC), Health Manpower and resources.

Unit III: General Epidemiology and Biostatistics (30 Questions)

Basic Concepts and definition in Epidemiology – Principles of Epidemiology – Epidemiological study designs – Measurements in Epidemiology – Uses of Epidemiology – Association, Causation - Investigation of an Epidemic – Screening - Surveillance – Basic concepts in Biostatistics – Types of data, data sources - Sampling Methods - Descriptive Statistics – Inferential Statistics - Test of Significance - Distribution of Data – Data Analysis, Interpretation and Presentation – Sources of Health Information – Health Information system, Health System Research, Operational Research.

Unit IV: Social Science and Health - Health Communication (10 Questions)

Definition, Scope, Concepts and Significance of Social, Economic, Political, behavioral factors in Health and Disease – Social Organization – Role of Family in Health and Diseases – Socio Economic Status (SES) – Poverty and Poverty Alleviation - Social Theories of Causation of Disease – Attitudes, Behaviors and Habits - Hospital Sociology – Social Security Schemes - Health Economics – Qualitative Research in Health – Health perceptions and behavior – Doctor Patient Relationship – Personality and Intelligence – Medical Ethics – Communication for Health Education, Principles of Health Education.

Unit V: Communicable Diseases (30 Questions)

Respiratory Infections – Intestinal Infections - Arthropod Borne Infections – Zoonoses – Surface Infections – Sexually Transmitted Infections / Reproductive Tract Infections - Emerging and Re-emerging Infections – Covid -19, Monkey Pox, Zika, Nipah - Hospital Acquired Infections – National Health Programmes and Guidelines relevant to Communicable Diseases.

Unit VI: Non Communicable Diseases (30 Questions)

Hypertension – Diabetes mellitus - Cardiovascular Diseases and Stroke – Obesity – Blindness- Common Cancers – Accidents and Injuries – Poisoning and Snake bites – Mental Health- National Programme and Guideline relevant to Non-Communicable Diseases.

Unit VII: Demography, Family Planning, Preventive Obstetrics, Pediatrics, Adolescent Health and Geriatrics (20 Questions)

Definition, Concepts - Indicators related to Demography - Health related vital statistics- Demographic Cycle – Demographic Trends – Size, Composition and Distribution of Indian Population – National Population Policy – Contraceptive Methods and its evaluation – Abortion – MTP Act – PCPNDT Act – Birth and Death Registration Act - Antenatal Care ,Intra-natal Care &

Postnatal Care - Care of Newborn, Infants and Under 5 Children – IMNCI- Child Behavior Problem – Disability -School Health – Immunization – Indicators of MCH Care - AdolescentHealth-Health Problems of the Elderly –Genetics –National Health Programs and Strategies relevant to MCH,Adolescent Health, Geriatrics.

Unit VIII: Environmental Health and Occupational Health (20 Questions)

Water – Purification - Water Quality and Standards and Health – Surveillance of Drinking Water, Water Sampling - Air – Air Quality Standards – Air Pollution and Health - Noise- Noise Pollution and Health - Ventilation, Lighting, Heat and Radiation - Solid Waste Management - Excreta Disposal – Medical Entomology and Integrated Vector Control and Management – standards of Housing and its effect on Health - Climate Change and its effect on Health – Meteorological Environment - Occupational Diseases and its Control – Hospital Waste Management - Acts and Programs related to Environment and Occupational Health.

Unit IX: Nutrition (20 Questions)

Concept of Diet and Nutrition – Balanced Diet –Nutritive Values - Common Nutritional deficiencies - Nutritional Problems in Public Health – Micro Nutrient Deficiency and Hidden Hunger - Assessment of Nutritional Status and Management – Sociocultural aspects of Nutrition - Nutritional Surveillance - Food, Milk, Meat Hygiene – Community Nutrition Program–Food Borne Diseases – Food Adulteration – FSSAI – Health Programs and Acts related to Micro and Macro Nutrient.

Unit X: Disaster Management / International Health / Vulnerable Care Groups / Health Program, Policies and Act (20 Questions)

Disaster Management – International Health – International Health Regulations – Tamil Nadu Public Health Act and relevant Acts, legislation, Rules and Policies related to Public Health - Concepts of essential Medicine – Travel Medicine – Tribal Health – National Health Mission – Urban Health.

Dated: 07.10.2022