

TAMIL NADU PUBLIC SERVICE COMMISSION
SYLLABUS
SUBJECT-COMMUNITY MEDICINE (DEGREE STD)

CODE NO.392

UNIT-I : Evolution and Basic Concepts of Public Health

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.

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.

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

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

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

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

UNIT-VII : Demography, Family Planning, Preventive Obstetrics, Pediatrics, Adolescent Health and Geriatrics

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 -

Adolescent Health-Health Problems of the Elderly –Genetics –National Health Programs and Strategies relevant to MCH, Adolescent Health, Geriatrics.

UNIT-VIII: Environmental Health and Occupational Health

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

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

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.