

**DR. CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL
EDUCATION AND RESEARCH
(DAYANANDA SAGAR UNIVERSITY)**

Deverakaggalahalli, Kanakapura Road, Ramnagara Dt., Karnataka – 562 112

SYLLABUS FOR Ph.D. ENTRANCE EXAMINATIONS

COMMUNITY MEDICINE

UNIT I - HEALTH SYSTEMS AND SOCIO-CULTURAL DIMENSION IN INDIA:

History of Public Health in India; History of Public Health in the World; Primary Health Care; The Health Care System in India and other countries – Structure and Function; Study of Society, Community, Culture; Family, marriages and other institutions; Socialization and social control; Social stratification; Motivation, incentives and disincentives; Knowledge, attitude and practice – Assessment and influencing health and disease; Leadership – qualities, types, etc.; Principles of Sociology and the Behavioural Sciences; Principles, theories and learning of Social Psychology; Application of Sociology in Health and Development; Consumer Protection Act; Operational Research; Ethical issues in Medical Research

UNIT II - PRINICIPLES OF NUTRITION AND EPIDEMIOLOGY: Nutrients, Daily Requirements, Balanced Diet, and Primordial Prevention of Lifestyle related disease; Nutritional Deficiencies – As a Public Health Problem and Interventions; Assessment of Nutritional status in a community and approach to a programme; Nutritional Programmes in India – Critical Review; Other Aspects of Nutrition; Concept of Health and Disease; Research Methodology; Principles of Epidemiology; Epidemiologic Studies; Designing an methodology of an experiment or a study; Screening; Assessment of Health of Community

UNIT III - PRINCIPLES OF TROPICAL MEDICINE AND NHP: Infectious and non-Infectious Diseases -A Public Health Problem: Criteria and Approaches to solve them and their effect on Community Health; Infectious Disease Epidemiology; Non-Infectious Disease Epidemiology; Emerging and reemerging disease; Hospital Acquired Infections; The origin of NHP; Historical development and interventions; Current state and critique of the different National Health Programmes; Implementation of NHP at a programme level and in the community

UNIT IV - HEALTH CARE ADMINISTRATION AND HEALTH MANAGEMENT: Principles of Planning and Evaluation; Health Management; Basics of Health Systems Research; Basics of Health Economics; Basics of Health Information Systems; Hospital Management; Health Service Management; Medical Audit

UNIT V - PUBLIC HEALTH ADMINISTRATION: General administration at Centre, state and district Panchayat Raj; Principles of organization and administration; Health administration at state, Centre and Municipal Corporation; National health policy; National health programs and National Disease Control & Eradication Programmes; Primary health care in India; Planning and evaluation of programs; Management of motivating; Health care administrator – roles, tasks and functions; Management of motivation; Team concept and functioning; Management of district health services; Mobilizing community resources and creating demand for services; Management of human resources; Management of supportive system, including man power planning and development system; Managing conflict and interpersonal behaviours, and understanding interpersonal behaviours; Communication and coordination; Office management; Finance, Material Management, Vehicle Management; Public health Laws

Reference books:

1. **Park, K.** (2023). *Park's Textbook of Preventive and Social Medicine* (27th ed.). Banarsidas Bhanot.
2. **Sundar Lal, Adarsh, & Pankaj.** (2020). *Textbook of Community Medicine: Preventive and Social Medicine* (5th ed.). CBS Publishers & Distributors.
3. **Mahajan, B.K.** (2010). *Methods in Biostatistics for Medical Students and Research Workers* (7th ed.). Jaypee Brothers Medical Publishers.
4. **Kothari, C.R., & Garg, G.** (2019). *Research Methodology: Methods and Techniques* (4th ed.). New Age International Publishers.
5. **Sharma, R.K.** (2016). *Health Management in India: Principles and Practice*. New Century Publications.
6. **Kishore, J.** (2023). *National Health Programmes of India: National Policies and Legislations Related to Health* (13th ed.). Century Publications.
7. **Tuckett, D.** (2004). *Introduction to Sociology for Health Carers* (2nd ed.). Routledge.
8. **Cockerham, W.C.** (2021). *Medical Sociology* (15th ed.). Routledge.
9. **Ogden, J.** (2019). *Health Psychology: A Textbook* (6th ed.). McGraw-Hill Education.
10. **Joshi, S.A.** (2011). *Essentials of Nutrition and Dietetics for Nursing* (2nd ed.). Jaypee Brothers Medical Publishers.