

**BHARATI VIDYAPEETH  
(DEEMED TO BE UNIVERSITY), PUNE, INDIA  
PhD Entrance Test – 2023  
SECTION-II: COMMUNITY MEDICINE - 35 Marks**

**1HEALTH SYSTEMS IN INDIA AND THE WORLD – HISTORICAL PERSPECTIVE**

1. History of Public Health in India
2. History of Public Health in the World
3. Primary Health Care
4. The Health Care System in India and other countries – Structure and Function:

**2SOCIOLOGY**

1. Study of Society, Community, Culture
2. Family, marriages and other institutions
3. Socialization and social control
4. Social stratification
5. Motivation, incentives and disincentives
6. Knowledge, attitude and practice – Assessment and influencing health and disease
7. Leadership – qualities, types, etc.

**3SOCIO- CULTURAL DIMENSION IN HEALTH**

1. Principles of Sociology and the Behavioral Sciences
2. Principles, theories and learning of Social Psychology
3. Application of Sociology in Health and Development
4. Consumer Protection Act
5. Operational Research
6. Ethical issues in Medical Research

**4PRINCIPLES OF EDUCATIONAL SCIENCE AND TECHNOLOGY**

- Curriculum Planning, Educational objectives
- Principles of Learning
- Teaching/ Learning methods
- Teaching skills including Micro Teaching
- Preparation and Use of Teaching Aids and Learning Research Materials.
- Methods of Evaluation

**5PRINCIPLES AND PRACTICE OF INFORMATION, EDUCATION AND COMMUNICATION**

1. Principles of IEC/ Health Education
2. Communication Skills
3. The use of Media for IEC
4. Practice (Methods) of IEC and its application in Community Health
5. Evaluation of impact

**6PRINCIPLES OF NUTRITION AND APPLIED NUTRITION**

1. Nutrients, Daily Requirements, Balanced Diet, and Primordial Prevention of Lifestyle related disease.
2. Nutritional Deficiencies – As a Public Health Problem and Interventions

3. Assessment of Nutritional status in a community and approach to a programme
4. Nutritional Programmes in India – Critical Review
5. Other Aspects of Nutrition

## **7PRINCIPLES OF ENVIRONMENTAL HEALTH**

1. Water
2. Air
3. Housing including domestic and industrial housing standards
4. Noise and noise pollution
5. Radiation
6. Meteorological Environment including temperature, humidity and rainfall
7. Lighting
8. Disposal of Waste and Sanitation
9. Environmental Pollution
10. Non -conventional sources of energy viz. gobar gas, windmill.
11. Various governmental and non- governmental schemes and programmes related to environment
12. Medical Entomology

## **8MATERNAL HEALTH, CHILD HEALTH AND FAMILY WELFARE (RCH)**

1. Common Maternal and child health problems at an individual and community Level
2. Genetics and Health
3. Structure of MCH and Family Welfare services in India
4. Demographic Trends in India
5. School Health services
6. Social Paediatrics
7. Gender Issues

## **9EPIDEMIOLOGY AS A TOOL WITH HEALTH PROFESSIONALS**

1. Concept of Health and Disease
2. Research Methodology
3. Principles of Epidemiology
4. Epidemiologic Studies
5. Designing an methodology of an experiment or a study
6. Screening
7. Assessment of Health of Community (Tools, Methods, Indicators, Problems)

## **10BIOSTATISTICS**

1. Sampling and planning of health survey
2. Probability, Normal distribution and other distributions(Binomial, Poisson, Exponential)
3. Estimating population values
4. Sampling variability and significance
5. Tests of significance (Parametric/Non-parametric including qualitative methods)
6. Analysis of variance, Analysis of co-variance
7. Association, correlation and Regression
8. Vital statistics
9. Evaluation of health and measurement of morbidity / mortality
10. Life table and its uses
11. Use of computers and various statistical packages
12. Census

## **11PRINCIPLES OF TROPICAL MEDICINE**

1. Infectious and non Infectious Diseases -A Public Health Problem: Criteria and Approaches to solve them and their effect on Community Health

2. Infectious Disease Epidemiology
3. Non-Infectious Disease Epidemiology
4. Emerging and reemerging disease
5. Hospital Acquired Infections

## **12 NATIONAL HEALTH PROGRAMMES**

The origin, historical development, interventions, current state and critique of the different National Health Programmes, The implementation of NHPS at a programme level and in the community

## **13 COMMUNITY MENTAL HEALTH**

1. Principles of Mental Health
2. The Approach to Mental Health Problems in a Community
3. Spiritual Health

## **14 OCCUPATIONAL HEALTH – ORGANIZED AND UN-ORGANIZED SECTOR**

1. Principles of Occupational Health
2. Legislation in Occupational Health
3. Basics of Industrial Toxicology
4. Principles of Industrial Psychology
5. Basics of Ergonomics
6. Health Problems in other sectors viz IT, Agriculture

## **15 HEALTH CARE OF THE AGED AND THE DISABLED**

1. Community Geriatrics
2. The Disabled and Rehabilitation

## **16 VOLUNTARY SECTOR IN HEALTH**

Role of the Voluntary Sector in Health

## **17 INTERNATIONAL HEALTH**

1. International Health Agencies
2. International Health Regulations
3. Emportiatrics
4. Medical Tourism
5. Bio-terrorism
6. Privatization and Globalization of Health Care

## **18 HEALTH CARE ADMINISTRATION AND HEALTH MANAGEMENT**

1. Principles of Planning and Evaluation
2. Health Management
3. Basics of Health Systems Research
4. Basics of Health Economics
5. Basics of Health Information Systems
6. Hospital Management
7. Health Service Management
8. Medical Audit

## **19 PUBLIC HEALTH ADMINISTRATION**

1. General administration at Centre, state and district Panchayat Raj
2. Principles of organization and administration
3. Health administration at state, Centre and Municipal Corporation
4. National health policy
5. National health programs and National Disease Control & Eradication Programmes

6. Primary health care in India
7. Planning and evaluation of programs
8. Management of motivating
9. Health care administrator – roles, tasks and functions
10. Management of motivation
11. Team concept and functioning
12. Management of district health services
13. Mobilizing community resources and creating demand for services
14. Management of human resources
15. Management of supportive system, including man power planning and development system
16. Managing conflict and interpersonal behavior, and understanding interpersonal behavior
17. Communication and coordination.
18. Office management
19. Finance, Material Management, Vehicle Management
20. Public health Laws.