

UNIT I

- Concepts in Health and Disease i Evolution of medicine (History of Medicine)
- ii Evolution of Public health and community health
- iii Definition of Health-Relative concepts and determinants of health - Agent,host, environmental factors in health and disease - Indices used in measurement of health
- iv Difficulties in measurement of health
- v Levels of Prevention

UNIT II

- General Epidemiology and Epidemiological Methods i Definition, concept and evolution of epidemical concept
- ii Methods of Epidemiology
 - a) Descriptive
 - b) Analytical
 - c) Experimental
- iii Association and Causation
- iv Measurements of moribidity and motality
- v Sources of epidemiological data & uses of epidemiology
- vi Screening
- vii Community diagnosis
- viii Investigation of an epidemic
- ix Modes of disease transmission
- x Measures of prevention and control of diseases.

UNIT III

- Environmental Sanitation i Definition of environment - types & importance
- ii a) Water-Safe & wholesome Water - Water borne Diseases
- Methods of Purification of water - Water Quality
- Standards analysis of water quality
- b) Disposal of wastes in urban & rural areas
- c) Disposal of excreta
- d) Air - Air pollution indicators & prevention
- e) Radiation - Hazards & Prevention
- f) Lighting
- g) Noise
- h) Meterology - effects on health
- i) Housing - standards

UNIT IV

- Medical Entomology i Definition
- ii Arthropods - Vectors
- iii Vector borne diseases - Classification, Modes of transmission Description of various vector borne diseases
- iv Methods of Vector Control
- v Insecticides - Classification, modes of action, Application & toxicity

UNIT V

- Genetics and community Health i Basic principles of Genetics

- ii Chromosomal Disorder
- iii Genetic predisposition in Common disorder
- iv Preventive and social measures - Eugenics & Euhenics, Genetic counselling etc
- v Early diagnosis, treatment and rehabilitation

UNIT VI

Sociology and Community Health i Concept in Sociology relating to health

- ii Social Medicine
- iii Family - Definition types, merits & elements
- iv Community
- v Clinico Social evaluation of the individual in relation to Social, economic and Cultural aspects. attitude to health, Diseases and health services.
- vi Identification of Social factors in relation to health and diseases
- vii Urbanisation & Industrialisation

UNIT VII

- Biostatistics i Definition, Scope and uses of bio statistics
- ii Collection, Classification and presentation of statistical data
- iii Analysis and interpretation of data
- iv Sources & uses of statistics
- v Tests of significance
- vi Sample size determination
- vii Multivariate analysis
- viii Life table

UNIT VIII

Nutrition

- i Classification and sources of various nutrients
- ii Nutritional requirements
- iii Nutritional Diseases
- iv Nutritional Assessment
- v National Programme in Nutrition

UNIT IX

Health Education

- i Definition
- ii Approaches in health education
- iii Methods of Health Education
- iv Barriers to effective Communications
- v Principles of Health Education

UNIT X

International Health Education

- i International Health Organisations
 - a. WHO
 - b. UNICEF
 - c. Red Cross
- ii Voluntary Health Organisation
- iii International Health Regulations.

PAPER - II

UNIT I

- Epidemiology of specific diseases i Extent of the problem
- ii Epidemiology
- iii Natural History of diseases

- iv Clinical features
- v Diagnosis
- vi Management
- vii Prevention
- viii Relevant National Programmes
- i. Communicable diseases Measles, Mumps, Rubella, chickenpox, Acute respiratory infections, Diphtheria, Tetanus, Pertussis, Polio myelitis & Diarrhoeal Diseases, Typhoid, Cholera, Dysentery Hepatitis, STD, AIDS, Malaria, Filaria, Japanese Encephalitis, Plague, Leptospirosis, Leprosy, Tuberculosis, Helminthic, Rabies Infestations, etc.
- ii. Non Communicable diseases Hypertension, Coronary Heart Diseases, Cardiovascular diseases, Blindness, Accidents, Diabetics, Mental disorders etc.

UNIT II

- Demography & Family Planning i Definition & Demography, Demographic cycle Population Trends.
- ii Demographic indices
- iii Population control measures and National Population Policy
- iv National Family Welfare Programme v. Different Family Planning Methods Advantages & Disadvantages, Mode of action etc
- v Medical Termination of Pregnancy Act

UNIT III

- Maternal and Child Health i Need for specialised services for these groups
- ii C.S.M. and R.C.H. programmes
- iii M.C.H. Indicators
- iv Monitoring of growth and development
- v I.C.D.S
- vi Organisation & provision of M.C.H. Services

UNIT IV

- School Health
- i Important of School Health
- ii Objectives of School Health Programme
- iii Components of School Health Programme
- iv Critical analysis of School Health Programme

UNIT V

- Urban Health i Problems of urbanisation
- ii Organisation of Health services in Urban areas

UNIT VI

- Occupational Health i Definition
- ii Classification of Occupational Hazards and Diseases
- iii Preventive measures for Occupational Diseases
- iv Employees State Insurance Scheme
- v Factories Act

UNIT VII

- Mental Health
- i Important of Mental Health
- ii Types of mental illness and causes

- i. Preventive aspects
- ii. Mental health services
- iii. Alcoholism, drug dependence - Epidemiological factors and prevention

UNIT VIII

Community Geriatrics

- i Definition & evaluation of geriatrics services
- ii Common Diseases of elderly
- iii Economic and Psycho social needs of the aged
- iv Care of elderly in organised and unorganised sectors
- v Geriatrics services

UNIT IX

Health Planning and Management & National Health Programmes i Planning - Definition, Health planning, Planning cycle

- ii Management - Definition, Principles, Methods
- iii Management Techniques
- iv Constitutional provision for Health in India - Health care delivery system
- v Primary Health Care
- vi Health For All Strategy
- vii National Health Policy
- viii Health Committees
- ix National Health Programmes - Objectives - Strategy - Achievements - Critical Analysis
- x Health Man Power Development

UNIT X

Health Administration & Public Health Acts i Public Health Administration

- ii Delivery of Health care
- iii Organisation Functions and Staffing Pattern of Health sub centres, Primary Health Centres and Community Health Centres
- iv Job description of various Health Personnel
- v T N Public Health Care
- vi Prevention of Food Adulteration Act
- vii Registration of Births and Death Act