

Syllabus (w.e.f 2014-15)

UNIT I - LINKAGES BETWEEN ENVIRONMENT AND HEALTH

Understanding linkages between Environment and Public Health: Effect of quality of air, water and soil on health. Perspective on Individual health: Nutritional, socio-cultural and developmental aspects, Dietary diversity for good health; Human developmental indices for public health.

UNIT II - CLIMATE CHANGE AND IMPLICATIONS ON PUBLIC HEALTH

Global warming – Agricultural practices (chemical agriculture) and Industrial technologies (use of non-biodegradable materials like plastics, aerosols, refrigerants, pesticides); Manifestations of Climate change on Public Health- Burning of Fossil fuels, automobile emissions and Acid rain.

UNIT III – DISEASES IN CONTEMPORARY SOCIETY

Definition – need for good health- factors affecting health. Types of diseases – deficiency, infection, pollution diseases - allergies, respiratory, cardiovascular, and cancer Personal hygiene – food – balanced diet. Food habits and cleanliness, food adulterants, avoiding smoking, drugs and alcohol. Communicable diseases: Mode of transmission – epidemic and endemic diseases. Management of hygiene in public places – Railway stations, Bus stands and other public places. Infectious diseases: Role of sanitation and poverty case studies on TB, diarrhea, malaria, viral diseases. Non-communicable diseases: Role of Lifestyle and built environment. Diabetes and Hypertension.

UNIT IV - PERSPECTIVES AND INTERVENTIONS IN PUBLIC HEALTH

Epidemiological perspectives – Disease burden and surveillance; Alternative systems of medicine – Ayurveda, Yoga, Unani, Siddha and Homeopathy (AYUSH); Universal Immunization Programme (UIP); Reproductive health-Youth Unite for Victory on AIDS (YUVA) programme of Government of India. Occupational health hazards-physical-chemical and biological. Occupational diseases- prevention and control.

UNIT V - ENVIRONMENTAL MANAGEMENT POLICIES AND PRACTICES

Municipal solid waste management: Definition, sources, characterization collection and transportation and disposal methods. Solid waste management system in urban and rural areas. Municipal Solid waste rules. Policies and practices with respect to Environmental Protection Act, Forest Conservation Act, Wild life protection Act, Water and Air Act, Industrial, Biomedical and E waste disposal rules.

Unit 1

Unit 2

Unit 3

Unit 4

Unit 5

SYLLABUS

Unit 1 : LINKAGES BETWEEN ENVIRONMENT AND HEALTH

08 Hours

Understanding linkages between Environment and Public Health: Effect of quality of air, water and soil on health. Perspective on Individual health: Nutritional, socio-cultural and developmental aspects, Dietary diversity for good health; Human developmental indices for public health.

Unit 2 : CLIMATE CHANGE AND IMPLICATIONS ON PUBLIC HEALTH

06 Hours

Global warming - Agricultural practices (chemical agriculture) and Industrial technologies (use of non-biodegradable materials like plastics, aerosols, refrigerants, pesticides); Manifestations of Climate change on Public Health- Burning of Fossil fuels , automobile emissions and Acid rain.

Unit 3 : DISEASES IN CONTEMPORARY SOCIETY

08 Hours

Definition- need for good health- factors affecting health. Types of diseases - deficiency, infection, pollution diseases- allergies , respiratory, cardiovascular, and cancer Personal hygiene- food - balanced diet. Food habits and cleanliness, food adulterants, avoiding smoking, drugs and alcohol. Communicable diseases: Mode of transmission -epidemic and endemic diseases. Management of hygiene in public places - Railway stations, Bus stands and other public places. Infectious diseases: Role of sanitation and poverty case studies on TB, diarrhea, malaria, viral diseases. Non-communicable diseases: Role of Lifestyle and built environment. Diabetes and Hypertension.

Unit 4 : PERSPECTIVES AND INTERVENTIONS IN PUBLIC HEALTH

10 Hours

Epidemiological perspectives — Disease burden and surveillance; Alternative systems of medicine - Ayurveda, Yoga, Unani, Siddha and Homeopathy (AYUSH); Universal Immunization Programme (UIP); Reproductive health-Youth Unite for Victory on AIDS (YUVA) programme of Government of India. Occupational health hazards-physical-chemical and biological. Occupational diseases- prevention and control.

Unit 5 : ENVIRONMENTAL MANAGEMENT POLICIES AND PRACTICES

08 Hours

Municipal solid waste management: Definition, sources, characterization collection and transportation and disposal methods. Solid waste management system in urban and rural areas. Municipal Solid waste rules. Policies and practices with respect to Environmental Protection Act, Forest Conservation Act, Wild life protection Act, Water and Air Act, Industrial, Biomedical and E waste disposal rules.

SKILL DEVELOPMENT

- ◆ Preparation of a claim statement with imaginary figures to submit to Insurance Company.
- ◆ Collection of transactions relating to any branch and prepare a branch account.
- ◆ List out the basis of Allocation of Departmental Expenses.
- ◆ Preparation of Consignment account with imaginary figures
- ◆ Preparation of Joint accounts with imaginary figures