

प्रदेश लोक सेवा आयोग
नेपाल स्वास्थ्य सेवा, हेल्थ इन्स्पेक्सन समूह, जनस्वास्थ्य अधिकृत पद, सातौँ तहको खुला र आन्तरिक
प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

Part II:

1. Health and Public Health

- 1.1. Meaning of health and disease, Factors that influence health, concept of health and disease, Dimension of disease, Measurement of health, disease and well Being
- 1.2. Historical development and changing concept of Public health, Concept, Features, Issues and Hope

2. Health Planning and Management

- 2.1. Approaches, models, methods and practices
- 2.2. Need assessment, planning cycle, Situation analysis of health sector and evidence- based planning, monitoring and evaluation
- 2.3. Strategic and operational planning
- 2.4. Inventory management
- 2.5. Drug management
- 2.6. Financial management
- 2.7. Health economics, Health care financing: Basic concepts and economic
- 2.8. Evaluation of health care services
- 2.9. Health care need assessment
- 2.10. Decentralization in Public Health management in Federal system of Nepal
- 2.11. Basic health service, minimum service standards and quality health service and Quality assurance in health care

3. General Epidemiology

- 3.1. Definition, concepts, approaches, aims, and use of epidemiology
- 3.2. Epidemiological methods, Incidence, Prevalence, association and causation, disease prevention and control
- 3.3. Epidemiology of communicable and non communicable diseases
- 3.4. Dynamics of disease transmission and Chain of Infection
- 3.5. Investigation of an epidemic, case investigation and contract tracing
- 3.6. Concept, principles of screening. Different forms of screening, screening in Hospitals, industries and community, Criteria for screening, Sensitivity and specificity, Positive and negative predictive value.
- 3.7. Health indicators

4. Health Statistics

- 4.1. Health Statistics: Introduction of Health Statistics and its uses, Sources of Health Statistics, major sources of Public Health Statistics in Nepal, Classification, Tabulation and way of presentation of Health data
- 4.2. Statistical analysis methods: Measures of Central Tendency, Measures of Variability, Measures of Correlation, Measures of Regression
- 4.3. Sampling Theory: Introduction and utility of sampling, Sample, sample size and sampling, Statistic and parameter, Sampling error of a statistics, Principle steps for conducting a good survey, Types of sampling (Random and Non-Random)
- 4.4. Test of Significant: Chi-square test (χ^2 – test) ,Student's t and z- test

5. Introduction and scope of population study, Difference between Demography and population study

- 5.1 Vital events and Vital statistics
- 5.2 Factors affecting and measures of Fertility, Mortality, Migration

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5.3 Urbanization and its effect, Life expectancy

6. Applied Epidemiology and Disease Control

6.1 Epidemiology, Prevention and control of communicable diseases including:
Measles, Diphtheria, Whooping cough, Acute respiratory tract infection, Rubella,
Mumps, Influenza, Tuberculosis, Viral hepatitis, Food poisoning, Typhoid fever,
Intestinal worms, Acute diarrheal diseases, Filaria, Leishmaniasis, Malaria, Japanese
encephalitis, Rabies, Tetanus, Trachoma, Leprosy, STD and HIV Dengue, Swine
flue, COVID-19

6.2 Prevention and control Existing non-communicable diseases in Nepal

6.3 Concept of Control, elimination and eradication of diseases

7. Public Health and Nutrition

7.1 Maternal, Adolescent, infant and young child Nutrition,

7.2 Current issue in Nutrition in development context,

7.3 Nutrition Assessment and Nutrition Information system,

7.4 Nutrition during emergency, Nutrition and disaster risk reduction;

8. Environmental Health

8.1 Management and control of basic and fundamental factors; Water, Air, Lighting,
Noise, Housing

8.2 Solid waste disposal and control

8.3 Excreta disposal and control

8.4 Medical entomology-Mosquito, housefly, sand fly, lice, fleas, bugs etc. control

8.5 Insecticides safe use and resistance

8.6 Rodents and Snakes control

9. Occupational Health

9.1 Occupational environment and safety

9.2 Management and prevention of occupational hazards

9.3 Toxicological Basis of Occupational Diseases

9.4 Measures for general health protection of workers

10. Health Education and Health Promotion

10.1 Concept, Objectives Health Education and Health promotion principles and their
importance

10.2 Methods of health education

10.3 Health education medias and production

10.4 Behavior changes communication (BCC)

10.5 Community organization and participation

10.6 Communication and information: concepts and importance

10.7 School health program: concepts, areas and importance

11. Primary Health Care Universal Health Coverage Essential Health Care Services (EHCS review of MDG)

11.1 Concept, Components, Status and Prospects

12. Development Partners Support

12.1 Development Partners contributing to Health Sector in Nepal

12.2 Multilateral Organizations

(a) UN agencies: WHO, UNICEF, UNDP, UNFPA, UNAIDS and World Bank,
World Food Program (WFP)

(b) Bilateral agencies working in Nepal: USAID, JICA, GTZ/ German Development
cooperation (Technical), KfW/German Development Financial Cooperation, DFID

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12.3 International Non –Government Organizations: ADRA Nepal, Ipas Nepal, BNMT Nepal , CARE Nepal/ NURTURE, FHI 360 Nepal through USAID- /PEPFAR-funded Linkages Nepal, HKI (Helen Keller International , INRUD, Nepal (International Networks for Rational use of Drugs, World Vision International, UMN (United Mission to Nepal, One Heart World Wide (OHW) , JICA Nepal, Plan International Nepal, Country office, PSI/ Nepal) Population Services International/ Nepal, FAIRMED Foundation Nepal .

12. 4: Non-Governmental Organization : NTAG – Nepal Technical Assistance Group, Nick Simons Institute (NSI), Marie stopes International through implementing partner Snaulo Parivar Nepal, Nepal CRS company, Family Planning Association of Nepal (FPAN) , Nepal Red cross Society (NRCS), PHASE Nepal , Medic Mobile