

## Master of Public Health (MPH)

### 1. Preamble

The purpose of the Master of Public Health (MPH) programme is to train human resources in the science of public health, with a firm understanding of the determinants of health and the public health system in the country, the community context, the determinative influences of globalization, urbanization, global and national policies and a strong foundation in research methodology.

### 2. Objectives of the MPH programme

- I. To prepare **public health practitioners** having the:
  - knowledge and skills of community diagnosis
  - ability to design strategies to enhance community health
  - skills to implement intervention programs
  - skills to develop public health policy
  - knowledge to evaluate the impact of public health policies on community health
  - leadership skills in public health administration

- II. To evolve public health as a discipline in Indian Universities, with these

Departments having the objective of training **public health Researchers** who will produce data for planning public health policies

### 3. Eligibility

The course will be open to students with an undergraduate degree in biological, clinical and social sciences including B.Sc. (life sciences, nursing, pharmacology, dietetics), B.A. (Anthropology, Sociology, Psychology, LL.B, Journalism), MBBS, BAMS, BHMS, BUMS, BDS, MSW or students from any other discipline with evidence of work in the field of public health.

### 4. Duration of course - Two Years

### 5. Medium of Instruction - English

### 6. Attendance - 80%

## 7. Departments Required - PSM/ Community Medicine Biostatistics

### Syllabus divided in Semesters

#### Semester I

- Introduction to public health
- Human Biology
- Demography
- Epidemiology
- Biostatistics

#### Semester II

- Infectious diseases
- Immunology
- Nutrition
- Diagnostics
- Applied Research Methods
- Public Health Internship

#### Semester III

- Non-communicable diseases
- Health of women, children and the elderly
- Nutrition Practicum
- Health Planning
- Environmental, Occupational and Urban Health
- Research Project I
- Communication Skills

Dissertation work on relevant topic to public health should be completed during first III semesters to be submitted to the university before commencement of IV<sup>th</sup> semesters. The candidate will be eligible to appear for IV<sup>th</sup> semester examination only after submission of dissertation work

#### Semester IV

- Analyzing Qualitative Data
- Health Behavior and counselling
- Management of health service
- organizations evaluation
- Social Epidemiology
- Human Development and Health
- Plural systems of medicine
- Indian Society

- Advanced Epidemiology

### **Scheme of examinations**

There will be theory & practical examinations at the end of each semester of 100 marks each thus total marks for theory examinations would be 400 and practical examinations will be 400. Minimum number of marks for each semester examination required for passing the examination would be 50% in theory as well as practical would include viva voce.

### **Books**

- 1) Oxford textbook of Public Health Ed. Roger Detels, James McEwen, Robert Beaglehole, and Heizo Tanaka Oxford University Press (OUP) 4th Edition: 2002.
- 2) Public Health at the Crossroads - Achievements and Prospects. Robert Beaglehole and Ruth Bonita 2nd Edition Cambridge University Press
- 3) Maxcy-Rosenau-Last Public Health & Preventive Medicine, Fourteenth Edition Ed Robert Wallace, MD, et al.
- 4) Epidemiology and Management for Health Care: Sathe , P.V. Sathe, A.P., Popular Prakashan, Mumbai, 1991.
- 5) International Public Health: Diseases, Programs, Systems, and Policies by Michael Merson, Robert E Black, Anne J Mills - Jones and Bartlett Publishers.
- 6) Preventive and Social Medicine, K Park, Bansaridas Bhanot Publishing House.