

Pre-Ph.D.

Elective Paper-5

Public Health and Issues in India

Course Objective

- (i) To introduce students to the overall scenario of public health and health management :
- (ii) To introduce the students to international efforts especially with regard to institutions and regime building in the area of health and medicine.
- (iii) To introduce the students to the ethical aspects which confront public health specially pharma industry.
- (iv) To introduce the students to the regulatory aspects and role of the state in public health in general and in drug production, pricing and distribution in particular.
- (v) To introduce students to certain models through which State has regulated drug prices, its production and distribution without compromising the quality of drugs.

Course Outcome

After studying this course students will be equipped to find out solutions with the problems related health and pharma industry mentioned below:

- (i) The politics which effects the health of people:
- (ii) How to tackle the international agreements, negotiate with it, build capacities to ensure health of its citizens:
- (iii) To know the meaning of bioethics and understand its implications with regards to health and pharmaceutical industry
- (iv) How state regulated somewhere the drug prices and where has state could do more in this regard.

Unit.1 **Health, Disease, and Ethics**

- (i) Concept of Health and Disease
- (ii) Determinants of health
- (iii) Public Health in developed and developing country
- (iv) Pharmaceuticals and Public Health
- (v) Pandemic and Public Health

Unit. 2 **Medical Ethics**

- (i) Introduction to Bioethics
- (ii) Nuremberg Code
- (iii) Declaration of Helsinki
- (iv) Informed Consent
- (v) Ethics of Clinical Trials

Unit. 3 **Regulatory framework for the conduction of Medical Research in India**

- (i) Indian Council of Medical Research (ICMR) guidelines
- (ii) National Pharmaceutical Pricing Policy (NPPP)
- (iii) The Drugs and Cosmetic Rules, 1945
- (iv) Drugs Price Control Order (DPCO)

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Unit. 4 State intervention to control the price of Patented drugs in India

- (i) Indian Patent Act 1970
- (ii) Process Patent
- (iii) Effect of Process Patent on Indian Pharmaceutical Industry
- (iv) Amendment related to 3(d) in Indian Patent Act 1970.

Reading List

- Mary-Jane Schneider, Introduction to Public Health, 2nd Ed... Jones and Bartlett, 2006.
- Essentials of Public Health - BJ Turnock. Jones & Bartlett, 2007
- Oxford Textbook of Public Health, 4th edn Maxcy's Textbook of Public Health
- WHO Constitution, Preamble.
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- The Patents Act 1970
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- Krishna, Soman & Dasgupta. S. (2003). Public Health: Historical Experience. Economic and Political Weekly, 38(47), 4942-4944.
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- Rao, Mohan. (1999). Disinvesting in Health: The World Bank's Prescriptions for Health. Delhi. Sage Publications.
- Filip R, Gheorghita Puscaselu R, Anchidin-Norocel L, Dimian M, Savage WK. Global Challenges to Public Health Care Systems during the COVID-19 Pandemic: A Review of Pandemic Measures and Problems. J Pers Med. 2022 Aug 7;12(8)

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