

**BHARATI VIDYAPEETH**

**(DEEMED TO BE UNIVERSITY), PUNE, INDIA**

**Faculty of Interdisciplinary studies PhD Entrance Test – 2026**

**SECTION-II: Health sciences - 35 Marks**

1. Demography-Definition, demographic cycle, its relation to population, demographic and population indicators, demographic transition, Vital Statistics-definition, and sources
2. Epidemiological transition
3. Introduction to Public Health-Definition, health services delivery system, evolution of public health, major public health achievements,
4. Biostatistics-centering constants, measures of variations, important statistical tests
5. Epidemiology-Types of epidemiological studies
6. Research Methodology- clinical trials, including Bioethics-Principles of Bioethics, vulnerable groups, informed consent, Institutional ethics committee
7. Nutrition- Applied nutrition, National Nutrition related Health Programs,
8. Basic and health economics- Micro and macroeconomics, budgeting, cost effectiveness and cost benefit analysis
9. Social science- social perspectives of health, poverty line, socioeconomic classification and its relationship with health
10. Health education and communication- Types of health communication, barrier to health education, Behavioral Change Communication, and difference between health education and propaganda, counselling for health
11. Urban, Rural and tribal health- Challenges and mitigation
12. Multifactorial causation of diseases- lifestyle disorders
13. Various National health programs- RCH, National Vector Borne diseases, Non communicable diseases