

MD COMMUNITY MEDICINE

1. Historical background of public health.
2. Concepts of health and disease
3. Principles of Epidemiology and epidemiological methods; history and development, physiology and relevance in health, techniques, research strategies, identification of research question, planning and conduct of epidemiologic studies of different kinds, uses, in depth theoretical knowledge of factors which influence the selection and interpretation of data such as bias, randomization confounding,blinding etc. Epidemiologic surveillance and epidemic preparedness, investigation and management of an outbreak.
4. Disease screening, immunology, tools and techniques of diagnosis
5. Epidemiology of communicable and new techniques of diagnosis
6. Emerging and re emerging disease
7. Demography
8. Services for mother, children and family welfare: Measuring of maternal and child health, health problems of mothers and children. Challenges in improving maternal health in India, evolution of family, limitation, RCH, NRHM.
9. Geriatrics
10. Social sciences: Relevance of social sciences in Medicine, Psychosocial and cultural determinants of Health, Models of health behavior, Communication in health. Social security, social science research methods qualitative and quantitative, questionnaire design, FGDs, in depth interview; community participation, social marketing.
11. Principles and usage of genetics in public health.
12. Environment in relation to health.
13. Nutrition
14. Mental health.
15. Health planning and management including qualitative and quantitative techniques.
16. Hospital administration
17. Health education & Communication
18. Bio statistics; Elements of biostatistics, analysis and presentation of statistical data, central tendency, dispersion, probability theory, distributions, tests of significance correlation and regression, multivariate analysis, survival analysis, nonparametric tests ,analysis of qualitative data:- principles, method of usage and relevance in health, sources of vital statistics.
19. National programmes
20. Health care delivery system
21. International health and regulation
22. Occupation health
23. Entomology and Parasitology
24. Basics of health economics
25. Voluntary health agencies and NGOs
26. Public health chemistry
27. Public health laboratory services.
28. Urban health
29. Disaster management
30. Modern techniques of teaching & training
31. Bio terrorism
32. Waste management
33. Medical ethics

34. First Aid
35. Gender issue
36. Community rehabilitation
37. Public health technologies, Health information & management system, Use of geographic information system in health, Telemedicine