



**Gandhi Natha Rangji Homoeopathic Medical College & Hospital Solapur**

13, Budhwar Peth Jain Boarding Campus, Balives, Solapur-413011.

Phone College:- [0217] 2624900 E-mail:- gnrhmc09@gmail.com

**Dr.M.S.ANDHALGAONKAR [L.C.E.H. (Bom)]**  
Principal

**SANJAY S. GANDHI**  
President

## COMMUNITY MEDICINE LIST OF BOOKS

Sr. No.	Title	Author
01	Preventive & social Medicine	K. Park
02	Preventive & social Medicine	K. Park
03	Hand book of Preventive & Social Medicine	Babu
04	Hand book of Preventive & Social Medicine	Vidya Ratan
05	Hand book of Preventive & Social Medicine	Vidya Ratan
06	Text book of Homoeopathic Preventive & Social Medicine	Dr. Jana
07	Synopsis in Preventive & Social Medicine	Dr. Vijaya R. Bhalerao
08	A clinical Book of Preventive & Social Medicine	Dr. Surendra S.Shastri
09	Short Text Book of Preventive & Social Medicine	L. Kant
10	Essential Preventive Medicine	O.P.Ghai
11	Text Book of Preventive Medicine & Social Medicine	K. Park
12	Mathpati's Text Book of Community Medicine	Dr. Mathpati S.K.

### Introductory Lectures/ Topics

#### **1. Public Health and Diseases**

- Definition of Health: Health Spectrum
- Natural History Of Disease: Agent, Host, Environment
- Risk Factors
- Iceberg of disease
- Concept of prevention
- Modes of Intervention
- Health Parameters – Determinants of health, Indicators of health, Dimensions of health
- Sources of Health Information
- Census
- Communication in Health Information

#### **2. Environmental Sanitation**

- Definition & Importance
- Types of Environment
  - Air Pollution-Air pollutants, Classification, Bad effects & prevention, Air borne Disease
  - Water- Safe water, Uses of water, sources of water, Water cycle, slow sand filtration of tank water, Impurities of water, its bad effects, Purification of water- different methods, Purification of water in rural areas- Berkefeld filter, Purification of water on large scale(in cities), Sanitary well ,Chlorination, Water born diseases, Noise radiation.
  - Disposable of Sewage  
(Community waste and management)- Main object, Types of sewage treatment, Modern sewage Treatment plant, Oxidation pond, Disposable of Refuse- Incineration
  - Sanitation of Mela/Fair/Festivals  
Conservancy Methods- Methods of Excreta Disposal, Septic tank, Bore hole Latrine, RCA Latrine

#### **3. Medical Entomology**

- Classification of Arthropod, Arthropod borne diseases, Transmission of Arthropod borne diseases, Control of Arthropod borne diseases,  
Mosquito- Types, Life Cycle, Habits, Mosquito born diseases. Mosquito control measures, House fly  
Insecticides- Classification, Resistance, Toxicity.



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### **4. Biostatistics**

- Definition, Sources of Statistical data, Methods of preventing Statistical data, Measures of Central Tendencies of average- Mean mode, median, standard deviation
- Measurement of Variation of dispersion, Correlation & Regression, Sampling theory & errors, Tests of significance, Chi-square test, Theory of probability

### **5. Epidemiology**

- Definition, Aims, Basic measurements of Epidemiology, Rate, Ratio, Proportions, Uses of epidemiology, Incidence & prevalence, Epidemiology- Descriptive, Analytical, case control study, cohort study, Investigation of epidemics

**Dynamics of disease transmission-** Classification of modes of transmission, Incubation period- Disinfection, Types

- Control & Prevention, Immunization, Types, EPI, cold chain, Hazards of Immunization

### **6. A) Epidemiology of Communicable Diseases**

#### **Classification**

#### **I) Repertory System**

- Tuberculosis, Mumps, Measles, rubella, small Pox, Chicken Pox, Influenza, Diphtheria, Whooping cough, Meningococcal Meningitis

#### **II) Intestinal Infection**

- Poliomyelitis, Viral hepatitis, Cholera, Typhoid, Ascariasis, Hook worm infection, Amoebiasis

#### **III) Arthropod Borne Diseases**

- Lymphatic Filariasis, Malaria, Dengue Syndrome

#### **IV) Zoo nosés**

- Rabies, Plague, Human Salmonellosis

#### **v) Surface Infection**

- Tetanus, STD, AIDS, Leprosy

### **6) B) Epidemiology of Non Communicable Diseases-**

- Obesity- Accidents & Injuries, Diabetes mellitus-Blindness, Hypertension- RHD, Coronary Heart Disease, Cancer

### **7) Health Planning & Management**

- Planning, Management, Health care system in India, Panchayati Raj, Health care of community, Alma Ata Conference held in 1977

### **8) Nutrition, Health & Milk**

- Definition, Classification, Proteins, fats, carbohydrates, Vitamins, Minerals, Balanced diet, Nutritional Problems in Public Health, Nutritional factors & diseases.

- Food Activities- Types, Food adulteration, Food fortification

- Food born diseases, Community Nutritional Programmes, Milk & Milk Hygiene, Milk Borne Disease, Pasteurization of Milk

### **9) Maternal & Child Health Care**

- Maternity cycle, Objects of ANC, Care of Newborn, Under five clinics, MMR, IMR, Juvenil Delinquency, Battered Baby Syndrome



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### **10) Demography**

- Definition, Demographic cycle, Fertility, NRR

### **11) Family Planning**

- Definition, Classification of contraceptive methods, Condom, IUD, Hormonal Contraceptives- Safe Period, Natural family planning methods, Terminal Methods

### **12) National Health Programmes in India**

### **13) Occupational Health**

- Aims, Occupational Hazards, Occupational Diseases, Prevention of Occupational Health, ESIS

### **14) International Health**

- WHO, UNICEF, CARE

### **15) Health Care of Community**

-Health care system, Primary health care in India, Village health guide, Primary health centers (PHC) Voluntary Health Agencies in India- Indian Red Cross Society.



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## COMMUNITY MEDICINE Distribution of syllabus

<b>Dr. Mathapati</b>	<b>Dr. Angire</b>
1. Public Health & Diseases	1. Nutrition, Health & Milk
2. Environmental Sanitation	2. Maternal & Child Health Care
3. Medical Entomology	3. Demography
4. Biostatistics	4. Family Planning
5. Epidemiology	5. National Health Programmes in India
6. A) Epidemiology of Communicable Diseases	6. Occupation Health
B) Epidemiology of Non Communicable	7. International Health
7). Health Planning & Management	8. Health Care of Community

### List of Chart Register

Intestinal Infection	Intestinal & Injection
Corona virus Disease	TB
Obesity	Cholera
Biostatic	Cancer
Measles	Hepatitis - A
STD	Chickengunia
Mumps	Rabies
Nutritional Problem in Public Health	Dengue
Care of Newborn & under five clinic	Measles
Difference Between food fortification & Adulteration of food	Malaria
Health Planning & Management	Filariasis
Community Health	Nutritional Problem in Public Health
Iceberg & disease	Safe Period
Infant mortality Rate	Occupational Hazards
Demography	Family welfare
PHC	Hormonal contraceptive
Epidemiology	Objective & ANC
Epidemiological Investigation	Blindness
Balanced diet	Marasmus & Kulashioruar
Diet	Occupational Disease
Food Adulteration	Biostatic
Obesity	Milk & milk hygiene
Vit- A & Vit - D	Immunization
Leprosy	Intestinal Infection
Hook work infection	Sociology
WHO	Research Methodology
Health Planning & Management	



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## COMMUNITY MEDICINE

### Instruments & models

1. Barometer	<b>Contraceptives</b>
2. Lactometer	Biocrupts
3. Sanitary well	Universal stainer
4. Hygrometer	Tab- flygid
5. Section of slow sand filter	Tab- AKT- 4
6. Pattersoris rapid sand filter	Tab. Ethambutal 600mg
7. Pasteurs chamber sand filter	Tab. Lariago - DS
8. Berkefeld filter	Tab. Calcimax
9. Smokels Chulla	Milk lactometer
<b>Vaccines</b>	Inj. Ambistryn - s
1. Poliomyelitis vaccine	Tab. Khushi
2. Polio vaccine	Cut 375
<b>Injection</b>	Nirodh
1. Inj. Enerject-12	Wet & dry Thermometer
2. Inj. Ambistryn - 5	Bug Killer
<b>Fruits</b>	Thermometer
1. Apple	Model cult 380 A
2. Mango	Vg. Contraceptive - non - Oxynol-9
3. Cherry	
4. Banana	

## Seminar List

Seminar-I Date- 08/12/2021

Subject - **Air Pollution**

Seminar-II Date- 23/12/2021

Subject - **Sources of Water**

Seminar-III Date- 27/12/2021

Subject - **Purification of water**

Seminar-IV Date- 28/12/2021

Subject - **Sanitary well, disinfection of well & chlorination of water**

Seminar-V Date- 29/12/2021

Subject - **Disposal of sewage**

Seminar-VI Date- 30/12/2021

Subject - **Sanitation of Melal Fair / Festival**



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**COMMUNITY MEDICINE**  
**BHMS – IV Community Medicine VISITS**

Visit -1 Date - 21/03/2022

**Dudh Pandhari, Pune Road,**  
Solapur

Visit -2 Dates - 21/03/2022

**Guntuk Spinnig Mill, MIDC**  
Solapur

Visit -3 Dates - 21/03/2022

**Water Purification Mill, MIDC**  
Pakani,  
Solapur

Visit- 4 Date- 21/03/2022

**Prasad Textile, MIDC**  
Solapur

Visit- 5 Date- 21/03/2022

**Primary Health Centre**  
Kondi, Solapur



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**BHMS - IV Student Attendance**

Sr.No	Name of Student	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
1.	Dodmani Yashdeep	96%	94%	86%	89%	100%	96%	86%	100%	86%	93%
2.	Gaikwad Aishwarya	90%	94%	91%	100%	97%	100%	91%	89%	91%	94%
3.	Gavade shruti	88%	89%	0%	0%	45%	46%	0%	0%	0%	30%
4.	Kolhar Sarah	100%	100%	91%	100%	91%	100%	100%	100%	91%	97%
5.	Menkudale Pratiksha	88%	89%	98%	100%	94%	92%	82%	78%	95%	90%
6.	Nirale Rutuja	84%	89%	91%	0%	79%	96%	91%	78%	91%	77%
7.	Sawant Payal	90%	89%	91%	89%	97%	84%	86%	78%	91%	88%
8.	Shaikh Abu Talha	84%	97%	86%	89%	91%	54%	86%	100%	86%	85%
9.	Tagare Rutuja	90%	94%	98%	94%	88%	100%	91%	100%	95%	95%
10.	Tele Aakash	100%	94%	95%	94%	97%	96%	73%	100%	95%	93%
11.	Vanaskar Rutuja	100%	94%	91%	100%	88%	96%	82%	78%	95%	91%



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