



# MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

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**COMPETENCY BASED MEDICAL EDUCATION**

**(CBME)**

**(with effect from 2019-2020 Batches)**

**Curriculum for**  
**Second M.B.B.S**  
**Community Medicine**

Amended upto AC-44/2022, Dated 09/12/2022

## **Amended History**

1. Approved as per BOM 62/2020, [Resolution No. 3.2.3.9], Dated 16/09/2020.
2. Amended upto AC-42/2022,[Resolution No. 3.35], [Resolution No. 3.36], [Resolution No . 3.37], Dated 26/04/2022. (incorporated at the end of syllabus).
3. Amended upto AC-44/2022,[Resolution No. 2.i], [Resolution No. 2.ii], Dated 09/12/2022.



Mahatma Gandhi Mission's  
**MEDICAL COLLEGE**

**Department of Community Medicine**

PHASE – II Second Professional

(Second M.B.,B.S. / 3<sup>rd</sup> and 4<sup>th</sup> Sem Previously)

<b>Assessment</b> (Second Professional)	Term End Theory Exam. Marks	End of Posting Theory Exam. Marks	Term End Practical Exam. Marks	End of Posting Practical Exam. Marks
CP Assessment		50		50
Term End Assessment - I	50		25	
Term End Assessment - II	50		25	
<b>TOTAL</b>		<b>150</b>		<b>100</b>

**Clinical Posting Assessment Pattern**

End of Posting Theory Exam will be of 50 Marks

Time: 2 Hrs.

Paper pattern:-

Section A - 10 Multiple Choice Questions of 1 Mark Each - Total 10 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 10 Marks

Q. 2 - 6 out of 8 Short Answer Questions - 30 Marks (5 Each)

End of Posting Practical Exam will be of 50 Marks

Marks distribution for Practical Exam: -

Spots (5) - 25 marks

Visit Viva - 05 Marks

Grand Viva - 10 Marks

Assignment - 05 Marks (IEC Material – Poster)

Logbook - 05 Marks

**Term End Assessment Pattern**

Term End Theory Exam will be of 50 Marks

Time: 2 Hrs.

Paper pattern:-

Section A - 10 Multiple Choice Questions of 1 Mark Each - Total 10 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 10 Marks

Q. 2 - 6 out of 8 Short Answer Questions - 30 Marks (5 Each)

Term End Practical Exam will be of 25 Marks

Marks distribution for Practical Exam: -

Viva Voce - 20 marks

Logbook - 05 Marks



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PHASE – III Third Professional Part - I (Third M.B.,B.S. Part I / 6<sup>th</sup> and 7<sup>th</sup> Sem Previously)

<b>Assessment</b> Third Professional Part – I	Term End Theory Exam. Marks	End of Posting Theory Exam. Marks	Term End Practical Exam. Marks	End of Posting Practical Exam. Marks
CP Assessment		50		50
Term End Assessment	100		50	
<b>TOTAL</b>		<b>150</b>		<b>100</b>
<b>PRELIMS</b>		<b>200</b>		<b>100</b>

**Clinical Posting Assessment Pattern**

End of Posting Theory Exam will be of 50 Marks - Time: 2 Hrs.

Paper pattern:-

Section A - 10 Multiple Choice Questions of 1 Mark Each - Total 10 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 10 Marks

Q. 2 - 6 out of 8 Short Answer Questions - 30 Marks (5 Each)

Marks distribution for Practical Exam: -

Case Viva - 25 Marks

Visit Viva - 05 Marks

Grand Viva - 10 Marks

Assignment - 05 Marks (IEC Material – Video)

Logbook - 05 Marks

**Term End Assessment Pattern**

Term End Theory Exam will be of 100 Marks - Time: 3 Hrs.

Paper pattern:-

Section A - 20 Multiple Choice Questions of 1 Mark Each - Total 20 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Section C - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Term End Practical Exam will be of 50 Marks

Marks distribution for Practical Exam: -

Spots / Stats - 25 Marks

Viva Voce - 20 Marks

Logbook - 05 Marks



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**Department of Community Medicine**

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**Prelim Exam Pattern (Same as University Exam)**

Prelim Theory Exam will be of 200 Marks

Paper pattern:- ( No of Papers – 2) - Time: 3 Hrs.

Section A - 20 Multiple Choice Questions of 1 Mark Each - Total 20 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Section C - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Prelim Practical Exam will be of 100 Marks

Marks distribution for Practical Exam: -

Spots (5) - 25 Marks

Stat / Epid Exercise (5) - 25 Marks

Case Viva - 25 Marks

Grand Viva - 25 Marks

**CONVERSION TO FINAL INTERNAL ASSESSMENT MARKS**

Assessment	Theory			Practical		
	Max. Marks	Conversion Factor	Internal Assessment	Max. Marks	Conversion Factor	Internal Assessment
First Professional	50	20 %	10	25	20 %	5
Second Professional	150	30 %	45	100	20 %	20
Third Professional Part – I	150	30 %	45	100	20 %	20
Prelim Examination	200	50 %	100	100	50 %	50
Field Activity Participation						5
<b>TOTAL</b>	<b>550</b>		<b>200</b>	<b>325</b>		<b>100</b>

**FINAL MARK LIST (MAX. MARKS)**

University Exam		Internal Assessment	
Theory	Practical	Theory	Practical
<b>200</b>	<b>100</b>	<b>200</b>	<b>100</b>

**Resolution No. 2 of Academic Council (AC-44/2022):** Resolved to approve the Action Taken Report (ATR) on the decisions taken in the meeting of Academic Council (AC-42/2022) held on Tuesday, 26th April, 2022 with the following observations/discussion/ decision:

i) Annexure pertaining to Resolution No. 3.36 of Academic Council AC-42/2022 needs to be revised as per the NMC guidelines for assessment which mentions the Internal Assessment marks allocation for theory is to be out of 100 and for practical is to be out of 100 and change in assessment of clinical posting theory exam.

Therefore, “Annexure No. 27” (of Academic Council AC-42/2022) needs to be replaced with the document which is submitted herewith as ANNEXURE-3 of AC-44/2022.



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# MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI

ANNEXURE4

## COMMUNITY MEDICINE

A student learning

COMMUNITY MEDICINE from MGM Institute of Health Sciences, Navi Mumbai, should attain the following graduate attributes:

- 1 • Dynamic professionalism
- 2 • Exemplary leadership
- 3 • Effective communication skills
- 4 • Scholarly attitude
- 5 • Element of critical thinking
- 6 • Enthusiasm for research
- 7 • Social commitment
- 8 • Global competencies

## Goal

To ensure that the medical graduate has acquired broad public health competencies needed to solve health problems of the community with emphasis on health promotion, disease prevention, cost-effective interventions and follow up.

## Objective

At the end of the course the graduate doctors should be able to:

- Conceptualize people as the focus of the lifetime service of a doctor and be ready to help always and specially in time of need, minimize the suffering of people and have the ability to “think globally and act locally”;
- Apply the basic epidemiological principles to investigation of diseases, outbreaks, health promotion and disease prevention;
- Contribute to health systems’ performance as a member of the health team in the generation and efficient utilization of human and logistic resources;
- Foster healthy lifestyles in the individual and the community level to prevent environmental degradation and to promote social harmony;
- Identify the health needs of populations and population subgroups through planning, intervention, monitoring and evaluation and provide patient-centred comprehensive primary health care including referral, continuing care and follow-up.

CO1. Describe the health care delivery system including rehabilitation of the disabled in the country.

CO2. Describe the National Health Programmed with emphasis on maternal and child health programmed, family welfare planning and population control.

CO3. List epidemiological methods and describe their application to communicable and non- communicable diseases in the community or hospital situation.

CO4. Apply biostatistical methods and techniques

CO5. Outline the demographic pattern of the country and appreciate the roles of the individual, family, community and socio-cultural milieu in health and disease.



- CO6. Describe the health information systems.
- CO7. Enunciate the principles and components of primary health care and the national health policies to achieve the goal of 'Health for All'.
- CO8. Identify the environmental and occupational hazards and their control.
- CO9. Describe the importance of water and sanitation in human health.
- CO10. To understand the principles of health economics, health administration, health education in relation to community.
- CO11. Use epidemiology as a scientific tool to make rational decisions relevant to community and individual patient intervention.
- CO12. Collect, analyse, interpret and present simple community and hospital-based data.
- CO13. Diagnose and manage common health problems and emergencies at the individual, family and community levels keeping in mind the existing health care resources and in the context of the prevailing socio-cultural beliefs.
- CO14. Diagnose and manage maternal and child health problems and advise a couple and the community on the family planning methods available in the context of the national priorities.
- CO15. Diagnose and manage common nutritional problems at the individual and community level.
- CO16. Plan, implement and evaluate a health education programme with the skill to use simple audio-visual aids.
- CO17. Interact with other members of the health care team and participate in the organisation of health care services and implementations of national health programmes.
- CO18. Develop capabilities of synthesis between cause of illness in the environment or community and individual health and respond with leadership qualities to institute remedial measures for this.

## **Duration**

The community medicine curriculum will be taught throughout the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> professional year of undergraduate period, and also in the internship incorporating both vertical and horizontal integration.

# COMPETENCIES IN COMMUNITY MEDICINE

CODE: CM

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
<b>COMMUNITY MEDICINE</b>									
Topic: Concept of Health and Disease		Number of competencies: (10)			Number of procedures that require certification:(NIL)				
CM1.1	Define and describe the concept of Public Health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.2	Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.3	Describe the characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.4	Describe and discuss the natural history of disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.5	Describe the application of interventions at various levels of prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.6	Describe and discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.7	Enumerate and describe health indicators	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.8	Describe the Demographic profile of India and discuss its impact on health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM1.9	Demonstrate the role of effective Communication skills in health in a simulated environment	S	SH	Y	DOAP sessions	Skill Assessment		AETCOM	
CM1.10	Demonstrate the important aspects of the doctor patient relationship in a simulated environment	S	SH	Y	DOAP sessions	Skill Assessment		AETCOM	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
<b>Topic: Relationship of social and behavioural to health and disease</b> <span style="float: right;">Number of competencies: (5)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM2.1	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
CM2.2	Describe the socio-cultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
CM2.3	Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
CM2.4	Describe social psychology, community behaviour and community relationship and their impact on health and disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM2.5	Describe poverty and social security measures and its relationship to health and disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
<b>Topic: Environmental Health Problems</b> <span style="float: right;">Number of competencies: (8)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM3.1	Describe the health hazards of air, water, noise, radiation and pollution	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, ENT	
CM3.2	Describe concepts of safe and wholesome water, sanitary sources of water, water purification processes, water quality standards, concepts of water conservation and rainwater harvesting	K	KH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce			
CM3.3	Describe the aetiology and basis of water borne diseases /jaundice/hepatitis/ diarrheal diseases	K	KH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce		Microbiology, General Medicine, Pediatrics	
CM3.4	Describe the concept of solid waste, human excreta and sewage disposal	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM3.5	Describe the standards of housing and the effect of housing on health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM3.6	Describe the role of vectors in the causation of diseases. Also discuss National Vector Borne disease Control Program	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Microbiology	
CM3.7	Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment		Microbiology	
CM3.8	Describe the mode of action, application cycle of commonly used insecticides and rodenticides	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pharmacology	
<b>Topic: Principles of health promotion and education</b> <span style="float: right;">Number of competencies: (3)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM4.1	Describe various methods of health education with their advantages and limitations	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM4.2	Describe the methods of organizing health promotion and education and counselling activities at individual family and community settings	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM4.3	Demonstrate and describe the steps in evaluation of health promotion and education program	S	SH	Y	Small group session, DOAP session	Written / Viva voce/ Skill assessment			
<b>Topic: Nutrition</b> <span style="float: right;">Number of competencies: (08)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM5.1	Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, Pediatrics	
CM5.2	Describe and demonstrate the correct method of performing a nutritional assessment of individuals, families and the community by using the appropriate method	S	SH	Y	DOAP sessions	Skill Assessment		General Medicine, Pediatrics	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, Pediatrics	
CM5.4	Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment	S	SH	Y	DOAP sessions	Skill Assessment		General Medicine, Pediatrics	
CM5.5	Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of socio-cultural factors.	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, Pediatrics	
CM5.6	Enumerate and discuss the National Nutrition Policy, important national nutritional Programs including the Integrated Child Development Services Scheme (ICDS) etc	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pediatrics	
CM5.7	Describe food hygiene	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Microbiology
CM5.8	Describe and discuss the importance and methods of food fortification and effects of additives and adulteration	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pediatrics	
<b>Topic: Basic statistics and its applications</b>		<b>Number of competencies: (04)</b>			<b>Number of procedures that require certification: (NIL)</b>				
CM6.1	Formulate a research question for a study	K	KH	Y	Small group discussion, Lecture, DOAP sessions	Written / Viva voce/ Skill assessment		General Medicine, Pediatrics	
CM6.2	Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	S	SH	Y	Small group, Lecture, DOAP sessions	Written / Viva voce/ Skill assessment		General Medicine, Pediatrics	
CM6.3	Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs	S	SH	Y	Small group discussion, Lecture, DOAP sessions	Written / Viva voce/ Skill assessment		General Medicine, Pediatrics	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM6.4	Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion	S	SH	Y	Small group discussion, Lecture, DOAP sessions	Written / Viva voce/ Skill assessment		General Medicine, Pediatrics	
<b>Topic: Epidemiology</b> <span style="margin-left: 200px;">Number of competencies: (09)</span> <span style="margin-left: 200px;">Number of procedures that require certification: (NIL)</span>									
CM7.1	Define Epidemiology and describe and enumerate the principles, concepts and uses	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM7.2	Enumerate, describe and discuss the modes of transmission and measures for prevention and control of communicable and non-communicable diseases	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM7.3	Enumerate, describe and discuss the sources of epidemiological data	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM7.4	Define, calculate and interpret morbidity and mortality indicators based on given set of data	S	SH	Y	Small group, DOAP sessions	Written/ Skill assessment		General Medicine	
CM7.5	Enumerate, define, describe and discuss epidemiological study designs	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM7.6	Enumerate and evaluate the need of screening tests	S	SH	Y	Small group discussion, DOAP sessions	Written/ Skill assessment		General Medicine	
CM7.7	Describe and demonstrate the steps in the Investigation of an epidemic of communicable disease and describe the principles of control measures	S	SH	Y	Small group discussion, DOAP sessions	Written/ Skill assessment		General Medicine	Microbiology
CM7.8	Describe the principles of association, causation and biases in epidemiological studies	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM7.9	Describe and demonstrate the application of computers in epidemiology	S	KH	Y	Small group discussion, DOAP sessions	Written			

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
<b>Topic: Epidemiology of communicable and non- communicable diseases</b>		<b>Number of competencies:(7)</b>			<b>Number of procedures that require certification:(NIL)</b>				
CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	Microbiology, Pathology
CM8.2	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for Non Communicable diseases (diabetes, Hypertension, Stroke, obesity and cancer etc.)	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
CM8.3	Enumerate and describe disease specific National Health Programs including their prevention and treatment of a case	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	
CM8.4	Describe the principles and enumerate the measures to control a disease epidemic	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	
CM8.5	Describe and discuss the principles of planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	
CM8.6	Educate and train health workers in disease surveillance, control & treatment and health education	S	SH	Y	DOAP sessions	Skill assessment			
CM8.7	Describe the principles of management of information systems	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
<b>Topic: Demography and vital statistics</b>		<b>Number of competencies: (07)</b>			<b>Number of procedures that require certification: (NIL)</b>				
CM9.1	Define and describe the principles of Demography, Demographic cycle, Vital statistics	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM9.2	Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates	S	SH	Y	Lecture, Small group discussion, DOAP sessions	Skill assessment		Obstetrics & Gynaecology, Pediatrics	



Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM9.3	Enumerate and describe the causes of declining sex ratio and its social and health implications	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM9.4	Enumerate and describe the causes and consequences of population explosion and population dynamics of India.	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM9.5	Describe the methods of population control	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Obstetrics & Gynaecology	
CM9.6	Describe the National Population Policy	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM9.7	Enumerate the sources of vital statistics including census, SRS, NFHS, NSSO etc	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
<b>Topic: Reproductive maternal and child health</b> <span style="float: right;"><b>Number of competencies:(09)</b></span> <span style="float: right;"><b>Number of procedures that require certification: (NIL)</b></span>									
CM10.1	Describe the current status of Reproductive, maternal, newborn and Child Health	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Obstetrics & Gynaecology, Pediatrics	
CM10.2	Enumerate and describe the methods of screening high risk groups and common health problems	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Pediatrics, Obstetrics & Gynaecology	
CM10.3	Describe local customs and practices during pregnancy, childbirth, lactation and child feeding practices	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Pediatrics, Obstetrics & Gynaecology	
CM10.4	Describe the reproductive, maternal, newborn & child health (RMCH); child survival and safe motherhood interventions	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Obstetrics & Gynaecology, Pediatrics	
CM10.5	Describe Universal Immunization Program; Integrated Management of Neonatal and Childhood Illness (IMNCI) and other existing Programs.	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Pediatrics	
CM10.6	Enumerate and describe various family planning methods, their advantages and shortcomings	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM10.7	Enumerate and describe the basis and principles of the Family Welfare Program including the organization, technical and operational aspects	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM10.8	Describe the physiology, clinical management and principles of adolescent health including ARSH	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM10.9	Describe and discuss gender issues and women empowerment	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
<b>Topic: Occupational Health</b> <span style="float: right;"><b>Number of competencies: (05)</b></span> <span style="float: right;"><b>Number of procedures that require certification: (NIL)</b></span>									
CM11.1	Enumerate and describe the presenting features of patients with occupational illness including agriculture	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM11.2	Describe the role, benefits and functioning of the employees state insurance scheme	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM11.3	Enumerate and describe specific occupational health hazards, their risk factors and preventive measures	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM11.4	Describe the principles of ergonomics in health preservation	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
CM11.5	Describe occupational disorders of health professionals and their prevention & management	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
<b>Topic: Geriatric services</b> <span style="float: right;"><b>Number of competencies: (04)</b></span> <span style="float: right;"><b>Number of procedures that require certification: (NIL)</b></span>									
CM12.1	Define and describe the concept of Geriatric services	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
CM12.2	Describe health problems of aged population	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
CM12.3	Describe the prevention of health problems of aged population	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CM12.4	Describe National program for elderly	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
<b>Topic: Disaster Management</b> <span style="float: right;">Number of competencies: (04)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM13.1	Define and describe the concept of Disaster management	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
CM13.2	Describe disaster management cycle	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
CM13.3	Describe man made disasters in the world and in India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
CM13.4	Describe the details of the National Disaster management Authority	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
<b>Topic: Hospital waste management</b> <span style="float: right;">Number of competencies: (03)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM14.1	Define and classify hospital waste	K	KH	Y	Lecture, Small group discussion, visit to hospital	Written / Viva voce			Microbiology
CM14.2	Describe various methods of treatment of hospital waste	K	KH	Y	Lecture, Small group discussion, visit to hospital	Written / Viva voce			Microbiology
CM14.3	Describe laws related to hospital waste management	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Microbiology
<b>Topic: Mental Health</b> <span style="float: right;">Number of competencies: (03)</span> <span style="float: right;">Number of procedures that require certification: (NIL)</span>									
CM15.1	Define and describe the concept of mental Health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	
CM15.2	Describe warning signals of mental health disorder	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	
CM15.3	Describe National Mental Health program	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
Topic: Health planning and management		Number of competencies: (04)			Number of procedures that require certification: (NIL)				
CM16.1	Define and describe the concept of Health planning	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM16.2	Describe planning cycle	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM16.3	Describe Health management techniques	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM16.4	Describe health planning in India and National policies related to health and health planning	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Topic: Health care of the communitiy		Number of competencies:(05)			Number of procedures that require certification: (NIL)				
CM17.1	Define and describe the concept of health care to community	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM17.2	Describe community diagnosis	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM17.3	Describe primary health care, its components and principles	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM17.4	Describe National policies related to health and health planning and millennium development goals	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM17.5	Describe health care delivery in India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Topic: International Health		Number of competencies: (2)			Number of procedures that require certionat(NIL)				
CM18.1	Define and describe the concept of International health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM18.2	Describe roles of various international health agencies	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
Topic: Essential Medicine		Number of competencies: (3)			Number of procedures that require certification: (NIL)				
CM19.1	Define and describe the concept of Essential Medicine List (EML)	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacology
CM19.2	Describe roles of essential medicine in primary health care	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacology
CM19.3	Describe counterfeit medicine and its prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacology
Topic: Recent advances in Community Medicine		Number of competencies: (04)			Number of procedures that require certification: (NIL)				
CM20.1	List important public health events of last five years	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM20.2	Describe various issues during outbreaks and their prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM 20.3	Describe any event important to Health of the Community	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
CM 20.4	Demonstrate awareness about laws pertaining to practice of medicine such as Clinical establishment Act and Human Organ Transplantation Act and its implications	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
<b>Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication.</b> <b>Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently,</b> <b>Column F: DOAP session – Demonstrate, Observe, Assess, Perform.</b> <b>Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation</b>									
<b>Intergration</b>									
<b>Physiology</b>									
PY9.6	Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	K	KH	Y	Lectures, Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology, Community Medicine <sub>1</sub>	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
<b>Biochemistry</b>									
BI8.5	Summarize the nutritional importance of commonly used items of food including fruits and vegetables.(macro-molecules & its importance)	K	KH	Y	Lectures, Small group discussions	Written/ Viva voce		Community Medicine, General Medicine, Pediatrics	
<b>Pathology</b>									
PA12.1	Enumerate and describe the pathogenesis of disorders caused by air pollution, tobacco and alcohol	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Community Medicine
PA26.5	Define and describe the etiology, types, exposure, environmental influence, pathogenesis, stages, morphology, microscopic appearance and complications of Occupational lung disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, Community Medicine	
PA26.7	Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, morphology, microscopic appearance and complications of mesothelioma	K	KH	N	Lecture, Small group discussion	Written / Viva voce		General Medicine, Community Medicine	
<b>Microbiology</b>									
MI1.3	Describe the epidemiological basis of common infectious diseases	K	KH	Y	Lecture	Written/ Viva voce			Community Medicine
MI8.4	Describe the etiologic agents of emerging Infectious diseases. Discuss the clinical course and diagnosis	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine, Community Medicine	Community Medicine
MI8.5	Define Healthcare Associated Infections (HAI) and enumerate the types. Discuss the factors that contribute to the development of HAI and the methods for prevention	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Medicine, Community Medicine	
MI8.6	Describe the basics of Infection control	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
MI8.7	Demonstrate Infection control practices and use of Personal Protective Equipments (PPE)	S	P	Y	DOAP session	Skill assessment	3 each in (Hand hygiene & PPE)	General Surgery	Community Medicine
MI8.16	Describe the National Health Programs in the prevention of common infectious disease (for information purpose only as taught in CM)	K	K	Y	Lecture	Written / Viva voce			
<b>Pharmacology</b>									
PH1.55	Describe and discuss the following National Health programmes including Immunisation, Tuberculosis, Leprosy, Malaria, HIV, Filariasis, Kala Azar, Diarrhoeal diseases, Anaemia & nutritional disorders, Blindness, Non-communicable diseases, Cancer and Iodine deficiency	K	KH	Y	Lecture	Written / Viva voce			Community Medicine
<b>Forensic Medicine &amp; Toxicology</b>									
FM2.33	Demonstrate ability to use local resources whenever required like in mass disaster situations	A & C	KH	Y	Lecture, Small group discussions	Written/ Viva voce		Community Medicine	
<b>Dermatology, Venereology &amp; Leprosy</b>									
DR9.1	Classify, describe the epidemiology, etiology, microbiology pathogenesis and clinical presentations and diagnostic features of Leprosy	K	KH	Y	Lecture, Small group discussions	Written / Viva voce		General Medicine	Microbiology, Community Medicine
DR9.5	Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for various classes of leprosy based on national guidelines	K	KH	Y	Lecture, Small group discussions	Written / Viva voce		General Medicine	Pharmacology, Community Medicine
DR9.6	Describe the treatment of Leprosy based on the WHO guidelines	K	KH	Y	Lecture, Small group discussions	Written / Viva voce		General Medicine	Pharmacology, Community Medicine
<b>Ophthalmology</b>									
OP9.4	Enumerate, describe and discuss the causes of avoidable blindness and the National Programs for Control of Blindness (including vision 2020)	K	KH	Y	Lecture, Small group discussions	Written / Viva voce			Community Medicine

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
<b>Psychiatry</b>									
PS19.1	Describe the relevance, role and status of community psychiatry	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PS19.2	Describe the objectives strategies and contents of the of the National Mental Health Programme	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PS19.4	Enumerate and describe the salient features of the prevalent mental health laws in India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PS19.5	Describe the concept and principles of preventive psychiatry and mental health promotion (positive mental health); and community education	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
<b>General Medicine</b>									
IM2.1	Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pathology, Physiology, Community Medicine	
IM4.3	Discuss and describe the common causes, pathophysiology and manifestations of fever in various regions in India including bacterial, parasitic and viral causes (e.g. Dengue, Chikungunya, Typhus)	K	K	Y	Lecture, Small group discussion	Written		Microbiology, Community Medicine	
IM9.15	Describe the national programs for anemia prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pharmacology, Community Medicine	
IM12.12	Describe and discuss the iodisation programs of the government of India	K	KH	Y	Lecture, Bedside clinic	short note		Community Medicine	
IM14.4	Describe and discuss the impact of environmental factors including eating habits, food, work, environment and physical activity on the incidence of obesity	K	K	Y	Lectures, Small group discussions	short note/ Viva voce		Pathology, Community Medicine	
IM24.18	Describe the impact of the demographic changes in ageing on the population	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	



Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
IM25.1	Describe and discuss the response and the influence of host immune status, risk factors and comorbidities on zoonotic diseases (e.g. Leptospirosis, Rabies) and non-febrile infectious disease (e.g. Tetanus)	K	K	Y	Lecture, Small group discussion	Written		Microbiology, Community Medicine	
IM25.2	Discuss and describe the common causes, pathophysiology and manifestations of these diseases	K	K	Y	Lecture, Small group discussion	Written		Microbiology, Community Medicine	
IM25.4	Elicit document and present a medical history that helps delineate the aetiology of these diseases that includes the evolution and pattern of symptoms, risk factors, exposure through occupation and travel	S	SH	Y	Bedside clinic, DOAP session	Skill assessment		Community Medicine	
IM25.13	Counsel the patient and family on prevention of various infections due to environmental issues	C	SH	Y	DOAP session	Skill assessment		Community Medicine, General Medicine	

#### Obstetrics & Gynaecology

OG1.1	Define and discuss birth rate, maternal mortality and morbidity	K	KH	Y	Lecture, Small group discussions	Short notes		Community Medicine	
OG1.2	Define and discuss perinatal mortality and morbidity including perinatal and neonatal mortality and morbidity audit	K	KH	Y	Lecture, Small group discussions	Short notes		Community Medicine	Pediatrics
OG8.1	Enumerate describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high-risk factors	K	KH	Y	Small group discussions, Bedside clinics, Lecture	Written / Viva voce/ Skill assessment		Community Medicine	
OG19.2	Counsel in a simulated environment, contraception and puerperal sterilisation	S/A/C	SH	Y	DOAP session	Skill assessment		Community Medicine	
OG21.1	Describe and discuss the temporary and permanent methods of contraception, indications, technique and complications; selection of patients, side effects and failure rate including OC, male contraception, emergency contraception and IUCD	K	KH	Y	Lecture, Small group discussions, Bedside clinics	Written / Viva voce/ Skill assessment		Community Medicine	
OG33.3	Describe and demonstrate the screening for cervical cancer in a simulated environment	K/S	SH	Y	DOAP session	Skill assessment		Community Medicine	

#### Pediatrics

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
PE3.5	Discuss the role of the child developmental unit in management of developmental delay	K	K	N	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	
PE3.7	Visit a Child Developmental unit and observe its functioning	S	KH	Y	Lecture, Small group discussion	Log book Entry		Community Medicine	
PE8.1	Define the term Complementary Feeding	K	K	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	
PE8.2	Discuss the principles the initiation, attributes , frequency, techniques and hygiene related to complementary feeding including	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PE8.3	Enumerate the common complimentary foods	K	K	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PE8.4	Elicit history on the Complementary Feeding habits	S	SH	Y	Bedside clinics, Skills lab	Skill Assessment		Community Medicine	
PE8.5	Counsel and educate mothers on the best practices in Complimentary Feeding	A/C	SH	Y	DOAP session	Document in Log Book		Community Medicine	
PE9.1	Describe the age related nutritional needs of infants, children and adolescents including micronutrients and vitamins	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine, Biochemistry	
PE9.2	Describe the tools and methods for Assessment and classification of Nutritional status of infants, children and adolescents	K	KH	Y	Lecture, Small group discussion,	Written / Viva voce		Community Medicine	
PE9.4	Elicit, Document and present an appropriate nutritional history and perform a dietary recall	S	SH	Y	Bedside clinic, Skill Lab	Skill Assessment		Community Medicine	
PE9.5	Calculate the age related Calorie requirement in Health and Disease and identify gap	S	SH	Y	Bedside clinics, Small group discussion	Skill assessment		Community Medicine	
PE9.6	Assess and classify the nutrition status of infants, children and adolescents and recognize deviations	S	SH	Y	Bedside clinic, Small group discussion	Skill Assessment		Community Medicine	
PE9.7	Plan an appropriate diet in Health and disease	S	SH	N	Bedside clinic, Small group discussion	Document in logbook		Community Medicine	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
PE10.4	Identify children with under nutrition as per IMNCI criteria and plan referral	S	SH	Y	DOAP session	Document in log book		Community Medicine	
PE17.1	State the vision and outline the goals, strategies and plan of action of NHM and other important national programs pertaining to maternal and child health including RMNCH A+, RBSK, RKSK, JSSK mission Indradhanush and ICDS	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	
PE17.2	Analyse the outcomes and appraise the monitoring and evaluation of NHM	K	KH	Y	Debate	Written/ Viva voce		Community Medicine	
PE18.1	List and explain the components, plans, outcomes of Reproductive child health (RCH) program and appraise the monitoring and evaluation	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	Obstetrics & Gynaecology
PE18.2	Explain preventive interventions for Child survival and safe motherhood	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	Obstetrics & Gynaecology
PE18.3	Conduct Antenatal examination of women independently and apply at-risk approach in antenatal care	S	SH	Y	Bedside clinics	Skill station		Community Medicine	Obstetrics & Gynaecology
PE18.4	Provide intra-natal care and conduct a normal Delivery in a simulated environment	S	SH	Y	DOAP session, Skills lab	Document in Log Book		Community Medicine	Obstetrics & Gynaecology
PE18.6	Perform Postnatal assessment of newborn and mother, provide advice on breast feeding, weaning and on family planning	S	SH	Y	Bedside clinics, Skill Lab	Skill Assessment		Community Medicine	Obstetrics & Gynaecology
PE18.8	Observe the implementation of the program by Visiting the Rural Health Centre	S	KH	Y	Bedside clinics, Skill Lab	Document in log book		Community Medicine	Obstetrics & Gynaecology
PE19.1	Explain the components of the Universal immunization Program and the sub National Immunization Programs	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine, Microbiology	
PE19.2	Explain the epidemiology of Vaccine preventable diseases	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine, Microbiology	
PE19.3	Vaccine description with regard to classification of vaccines, strain used, dose, route, schedule, risks, benefits and side effects, indications and contraindications	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine, Microbiology	
PE19.4	Define cold chain and discuss the methods of safe storage and handling of vaccines	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine, Microbiology	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
PE19.5	Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm , organ transplants, those who received blood and blood products, splenectomised children, Adolescents, travellers	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine, Microbiology	
PE19.8	Demonstrate willingness to participate in the National and sub national immunisation days	A	SH	Y	Lecture, Small group discussion	Document in Log Book		Community Medicine	
PE19.12	Observe the Administration the UIP vaccines	S	SH	Y	DOAP session	Document in Log Book		Community Medicine	
PE29.5	Discuss the National anaemia Control program	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
PE34.3	Discuss the various regimens for management of Tuberculosis as per National Guidelines	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Microbiology, Community Medicine, Pharmacology	Respiratory Medicine
PE34.4	Discuss the preventive strategies adopted and the objectives and outcome of the National Tuberculosis Control Program	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Microbiology, Community Medicine, Pharmacology	Respiratory Medicine
<b>General Surgery</b>									
SU7.1	Describe the Planning and conduct of Surgical audit	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
SU7.2	Describe the principles and steps of clinical research in surgery	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
<b>Respiratory Medicine</b>									
CT1.1	Describe and discuss the epidemiology of tuberculosis and its impact on the work, life and economy of India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
CT1.4	Describe the epidemiology, the predisposing factors and microbial and therapeutic factors that determine resistance to drugs	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine, Microbiology, Pharmacology	

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core Y/N	Suggested Teaching learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
CT1.15	Prescribe an appropriate antituberculosis regimen based on the location of disease, smear positivity and negativity and co-morbidities based on current national guidelines including directly observed tuberculosis therapy (DOTS)	K	SH	Y	Bedside clinic, Small group discussion, Lecture	Skill assessment		Pharmacology, Community Medicine	
CT1.16	Describe the appropriate precautions, screening, testing and indications for chemoprophylaxis for contacts and exposed health care workers	K	KH	Y	Bedside clinic, Small group discussion	Written		Community Medicine	
CT1.18	Educate health care workers on national programs of Tuberculosis and administering and monitoring the DOTS program	C	SH	Y	DOAP session	Skill assessment		Community Medicine	
CT2.24	Recognise the impact of OAD on patient's quality of life, well being, work and family	A	KH	Y	Small group discussion, Bedside clinic	Observation by faculty		Community Medicine	
CT2.25	Discuss and describe the impact of OAD on the society and workplace	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
CT2.26	Discuss and describe preventive measures to reduce OAD in workplaces	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Community Medicine	
CT2.27	Demonstrate an understanding of patient's inability to change working, living and environmental factors that influence progression of airway disease	A	KH	Y	Small group discussion, Bedside clinic	Observation by faculty		Community Medicine	

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			INTERNATIONAL RESPONSIBILTY	CM 1.1 - 1.10
		HEALTH AND DEVELOPMENT	HEALTH AND DEVELOPMENT	CM 1.1 - 1.10
			LESSONS FROM KERALA STATE	CM 1.1 - 1.10
			HEALTH DEVELOPMENT	CM 1.1 - 1.10
		INDICATORS OF HEALTH	CHARACTERISITCS OF IDEAL INDICATOR	CM 1.1 - 1.10
			MORTALITY INDICATORS	CM 1.1 - 1.10
			MORBIDITY INDICATORS	CM 1.1 - 1.10
			DISABILITY RATES	CM 1.1 - 1.10
			NUTRITIONAL STATUS INDICATORS	CM 1.1 - 1.10
			HEALTH CARE DILIVERY INDICATORS	CM 1.1 - 1.10
			UTILIZATION RATES	CM 1.1 - 1.10
			INDICATORS OF SOCIAL AND MENTAL HEALTH	CM 1.1 - 1.10
			ENVIRONMENTAL INDICATORS	CM 1.1 - 1.10
			SOCIO ECONOMIC INDICATORS	CM 1.1 - 1.10
			HEALTH POLICY INDICATRS	CM 1.1 - 1.10
			INDICATORS OF QUALITY OF LIFE	CM 1.1 - 1.10
			SOCIAL INDICATORS	CM 1.1 - 1.10
			BASIC NEEDS INDICATORS	CM 1.1 - 1.10

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		SPECIAL INDICATOR OF HEALTH	HEALTH FOR ALL INDICATORS	CM 1.1 - 1.10
			MDG INDICATORS	CM 1.1 - 1.10
			SDG INDICATORS	CM 1.1 - 1.10
			GLOBAL REFERENCE LIST OF CORE HEALTH INDICATORS	CM 1.1 - 1.10
			HEALTH STATUS INDICATORS	CM 1.1 - 1.10
			RISK FACTOR INDICATORS	CM 1.1 - 1.10
			SERVICE COVERAGE INDICATORS	CM 1.1 - 1.10
			HEALTH SYSTEM INDICATORS	CM 1.1 - 1.10
			100 CORE HEALTH INDICATORS	CM 1.1 - 1.10
			HEALTH INDEX OF INDIA BY NITI AAYOG	CM 1.1 - 1.10
		HEALTH DEVIDE DEVELOPED vs. DEVELOPING	SOCIAL AND ECONOMIC CHARACTERISTICS	CM 1.1 - 1.10
			DEMOGRAPHIC CHARACTERISTICS	CM 1.1 - 1.10
			CONTRAST IN HEALTH	CM 1.1 - 1.10
		THE URBAN RURAL DIVIDE IN HEATH AND DEVELOPMENT		CM 1.1 - 1.10
		HEALTH SERVICE PHILOSOPHIES		CM 1.1 - 1.10
		CONCEPT OF DISEASE		CM 1.1 - 1.10
		CONCEPT OF CAUSATION		CM 1.1 - 1.10
			GERM THEORY OF DISEASE	CM 1.1 - 1.10
			EPIDEOMOLOGICAL TRAIID	CM 1.1 - 1.10
			THE TRIANGKE OF EPIDEMIOLOGY	CM 1.1 - 1.10
			WEB OF CAUSATION	CM 1.1 - 1.10
			MEULTIFACTORIAL CASUTION	CM 1.1 - 1.10
		NATURAL HISTORY OF DISEASE		CM 1.1 - 1.10
			PRE PATHOGENESIS PHASE	CM 1.1 - 1.10
			PATHOGENESIS PHASE	CM 1.1 - 1.10

<b>SN</b>	<b>TOPIC HEAD</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>COMPETENCY</b>
		CONCEPTS OF CONTROL		CM 1.1 - 1.10
			DISEASE CONTROL	CM 1.1 - 1.10
			DISEASE ELIMINATION	CM 1.1 - 1.10
			DISEASE ERADICATION	CM 1.1 - 1.10
			MONITORING AND SURVILLANCE	CM 1.1 - 1.10
			SENTINEL SURVILLANCE	CM 1.1 - 1.10
			EVALUATIN OF CONTROL	CM 1.1 - 1.10
		CONCEPTS OF PREVENTION		CM 1.1 - 1.10
			PRIMODIAL PREVENTION	CM 1.1 - 1.10
			PRIMARY PREVENTION	CM 1.1 - 1.10
			SECONDARY PREVENTION	CM 1.1 - 1.10
			TERTIARY PREVENTION	CM 1.1 - 1.10
		MODES OF INTERVENTION		CM 1.1 - 1.10
			HEALTH PROMOTION	CM 1.1 - 1.10
			SPECIFIC PROTECTION	CM 1.1 - 1.10
			EARLY DIAGNOSIS AND TREATMENT	CM 1.1 - 1.10
			DISABILITY LIMITATION	CM 1.1 - 1.10
			REHABILITATION	CM 1.1 - 1.10
		POPULATION MEDICINE		CM 1.1 - 1.10
		HOSPITALS AND COMMUNITY		CM 1.1 - 1.10
			FUNCTIONS OF A PHYSICIAN	CM 1.1 - 1.10
			COMMUNITY DIAGNOSIS	CM 1.1 - 1.10
			COMMUNITY TREATMENT	CM 1.1 - 1.10
		DISEASE CLASSIFICATION		CM 1.1 - 1.10
			INTERNATIONAL CLASIFFICATION OF DISEASES	CM 1.1 - 1.10
			THE CODING SYSTEM	CM 1.1 - 1.10

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			THE INTERNATIONAL CLASSIFICATION OF FUNCTIONING DISABILITY AND HEALTH	CM 1.1 - 1.10
3	PRINCIPALS OF EPIDEMIOLOGY AND EPIDEMIOLOGIC METHODS	AIMS OF EPIDEMIOLOGY		CM 7.1
		EPIDEMIOLOGICAL APPROACH		CM 7.1
			ASKING QUESTIONS	CM 7.1
			MAKING COMPARISONS	CM 7.3 - 7.4
		RATES AND RATIO		CM 7.3 - 7.4
			CRUDE DEATH RATES	CM 7.3 - 7.4
			SPECIFIC DEATH RATE	CM 7.3 - 7.4
			CASE FATALITY RATE	CM 7.3 - 7.4
			PROPORTIONAL MORTALITY RATE	CM 7.3 - 7.4
			SURVIVAL RATE	CM 7.3 - 7.4
			ADJUSTED OR STANDARDISED RATE	CM 7.3 - 7.4
		MEASUREMENT OF MORTALITY		CM 7.3 - 7.4
			INTERNATIONAL DEATH CERTIFICATE	CM 7.3 - 7.4
			DEATH CERTIFICATE USED IN INDIA	CM 7.3 - 7.4
			LIMITATIONS OF MORTALITY DATA	CM 7.3 - 7.4
			USES OF MORTALITY DATA	CM 7.3 - 7.4
		MEASUREMENT OF MORBIDITY		CM 7.3 - 7.4
			INCIDENCE	CM 7.3 - 7.4
			PREVALENCE	CM 7.3 - 7.4
		EPIDEMIOLOGIC METHODS		CM 7.5
			OBSERVATIONAL STUDIES	CM 7.5
			EXPERIMENTAL STUDIES	CM 7.5
		DESCRIPTIVE EPIDEMIOLOGY		CM 7.5
			DEFINING THE POPULATION	CM 7.5

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			DEFINING THE DISEASE UNDER STUDY	CM 7.5
			DESCRIBING THE DISEASE BY : A. TIME, B. PLACE, C. PERSON	CM 7.5
			MEASUREMENT OF DISEASE	CM 7.5
			COMPARING WITH KNOW INDICES	CM 7.5
			FORMULATION OF AN ETIOLOGICAL HYPOTHESIS	CM 7.5
		ANALYTICAL EPIDEMOLOGY		CM 7.5
			CASE CONTROL STUDIES	CM 7.5
			COHORT STUDIES	CM 7.5
		EXPERIMENTAL EPIDEMOLOGY		CM 7.5
			ANIMAL STUDIES	CM 7.5
			HUMAN EXPERIMENTS	CM 7.5
		ASSOCIATION AND CAUSATION		CM 7.8
			SPURIOUS ASSOCIATION	CM 7.8
			INDIRECT ASSOCIATION	CM 7.8
			DIRECT ASSOCIATION	CM 7.8
		USE OF EPIDEMOLOGY		CM 7.1
			TO STUDY HISTORICALLY RISE AND FALL OF DISEASE IN THE POPULATION	CM 7.1
			COMMUNITY DIAGNOSIS	CM 7.1
			PLANNING AND EVALUTION	CM 7.1
			EVALUATION OF INDIVIDUALS RISK AND CHANCES	CM 7.1
			SYNDROME IDENTIFICATION	CM 7.1
			COMPLETING THE NATURAL HISTORY OF DISEAE	CM 7.1
			SEARCHING FOR CAUSES AND RISK FACTORS	CM 7.1

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		INFECTIOUS DISEASE EPIDEMIOLOGY		CM 7.2
			DYNAMICS OF DISEASE TRANSMISSION	CM 7.2
			MODES OF TRANSMISSION	CM 7.2
			SUSCEPTIBLE HOST	CM 7.2
			HOST DEFENCES	CM 7.2
			SPECIFIC DEFENCES	CM 7.2
		DISEASE TRANSMISSION		CM 7.2
		IMMUNITY		CM 7.2
		IMMUNISING AGENTS		CM 7.2
			VACCINES	CM 7.2
			IMMUNOGLOBULINS	CM 7.2
		DISEASE PREVENTION AND CONTROL		CM 7.2
			CONTROLLING THE RESERVOIR	CM 7.2
			INTERUPTION OF TRANSMISSION	CM 7.2
			THE SUSCEPTIBLE HOST	CM 7.2
		DISINFECTION		CM 7.2
			DEFINITION	CM 7.2
			PROPERTIES OF IDEAL DISINFECTANTS	CM 7.2
			NATURAL AGENTS	CM 7.2
			PHYSICAL AGENTS	CM 7.2
			CHEMICAL AGENTS	CM 7.2
			FACTORS AFFECTING THE EFFICACY OF	CM 7.2
			STERILISATION	CM 7.2
		INVESTIGATION OF EPIDEMIC		CM 7.2
			VERIFICATION OF DIAGNOSIS	CM 7.2
			CONFIRMATION OF THE EXISTENCE OF	CM 7.2
			EPIDEMIC	CM 7.2
			DEFINING THE PPULATION AT RISK	CM 7.2

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			RAPID SEARCH FO ALL CASES AND THEIR CHARACTERISTICS	CM 7.2
			DATA ANALYSIS	CM 7.2
			FORMULATION OF HYPOTHESIS	CM 7.2
			TESTING OF HYPOTHESIS	CM 7.2
			EVALUATION OF ECOLOGICAL FACTORS	CM 7.2
			FUTHER INVESTINGATION OF POPULATION AT RISK	CM 7.2
			WRITING THE REPORT	CM 7.2
4	SCREENING FOR DISEASE	CONCEPT OF SCREENING		CM 7.6
		USES OF SCREENING		CM 7.6
		CRITERIA FOR SCREENING		CM 7.6
		SENSITIVITY AND SPECIFICITY		CM 7.6
		PROBLEMS OF THE BORDERLINE		CM 7.6
5	EPIDEMOLOGY OF COMMUNICABLE DISEASE	RESPIRATORY INFECTIONS		CM 8.1, 8.3 - 8.6
		VIRAL		CM 8.1, 8.3 - 8.6
			SMALL POX	CM 8.1, 8.3 - 8.6
			CHICKEN POX	CM 8.1, 8.3 - 8.6
			MEASELS	CM 8.1, 8.3 - 8.6
			RUBELLA	CM 8.1, 8.3 - 8.6
			MUMPS	CM 8.1, 8.3 - 8.6
			INFLUENZA	CM 8.1, 8.3 - 8.6
			DIPHTHERIA	CM 8.1, 8.3 - 8.6
			WHOOPING COUGH	CM 8.1, 8.3 - 8.6
			MENIGOCOCCAL MENINGITIS	CM 8.1, 8.3 - 8.6
			ACUTE RESPIRATORY INFECTION	CM 8.1, 8.3 - 8.6

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY	
		INTESTINAL INFECTIONS	SARS	CM 8.1, 8.3 - 8.6	
			TUBERCULOSIS	CM 8.1, 8.3 - 8.6, 3.2	
				CM 8.1, 8.3 - 8.6, 3.2	
			POLIO MYELITIS	CM 8.1, 8.3 - 8.6, 3.2	
			VIRAL HEPATITIS	CM 8.1, 8.3 - 8.6, 3.2	
			ACUTE DIARRHEAL DISEASE	CM 8.1, 8.3 - 8.6, 3.2	
			CHOLERA	CM 8.1, 8.3 - 8.6, 3.2	
			TYPHOID FEVER	CM 8.1, 8.3 - 8.6, 3.2	
			FOOD POISONING	CM 8.1, 8.3 - 8.6, 3.2	
			AMOEBIASIS	CM 8.1, 8.3 - 8.6, 3.2	
			ASCARIASIS	CM 8.1, 8.3 - 8.6, 3.2	
			HOOKWORM INFECTION	CM 8.1, 8.3 - 8.6, 3.2	
			ARTHROPOD BORNE INFECTION	DRACANCULIASIS	CM 8.1, 8.3 - 8.6, 3.2
					CM 8.1, 8.3 - 8.6
		DENGUE SYNDROME		CM 8.1, 8.3 - 8.6	
		MALARIA		CM 8.1, 8.3 - 8.6	
			LYMPHATIC FILARIASIS	CM 8.1, 8.3 - 8.6	



SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		ZOONOSES	ZIKA VIRUS DISEASE	CM 8.1, 8.3 - 8.6
				CM 8.1, 8.3 - 8.6
			VIRAL	CM 8.1, 8.3 - 8.6
			RABIES	CM 8.1, 8.3 - 8.6
			YELLOW FEVER	CM 8.1, 8.3 - 8.6
			JAPANESE ENCEPHALITIS	CM 8.1, 8.3 - 8.6
			KFD	CM 8.1, 8.3 - 8.6
			CHICKENGUNIA FEVER	CM 8.1, 8.3 - 8.6
			BACTERIAL	CM 8.1, 8.3 - 8.6
			BRUCELLOSIS	CM 8.1, 8.3 - 8.6
			LEPTOSPIROSIS	CM 8.1, 8.3 - 8.6
			PLAGUE	CM 8.1, 8.3 - 8.6
			HUMAN SALMONELLOISIS	CM 8.1, 8.3 - 8.6
			RICKETTSIAL DISEASES	CM 8.1, 8.3 - 8.6
			RICKETTSIAL ZOONOSES	CM 8.1, 8.3 - 8.6
			SCRUB TYPHUS	CM 8.1, 8.3 - 8.6
			MURINE TYPHUS	CM 8.1, 8.3 - 8.6
			TICK TYPHUS	CM 8.1, 8.3 - 8.6
			Q FEVER	CM 8.1, 8.3 - 8.6
			PARASITIC ZOONOSIS	CM 8.1, 8.3 - 8.6
			TAENIASIS	CM 8.1, 8.3 - 8.6
			HYDATID DISEASE	CM 8.1, 8.3 - 8.6
		SURFACE INFECTIONS	LEISHMANIASIS	CM 8.1, 8.3 - 8.6
				CM 8.1, 8.3 - 8.6
			TRACHOMA	CM 8.1, 8.3 - 8.6
			TETANUS	CM 8.1, 8.3 - 8.6
			LEPROSY	CM 8.1, 8.3 - 8.6
			STD	CM 8.1, 8.3 - 8.6
			YAWS	CM 8.1, 8.3 - 8.6

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		EMERGING AND RE-EMERGING INFECTIONS	AIDS	
		HOSPITAL ACQUIRED INFECTIONS	EMERGING DISEASES RE EMERGING DISEASES ANTI MICROBIAL RESISTANCE RESPONDING TO EPIDEMICS	
			DEFINITION OF NOSOCOMIAL INFECTIONS PREVENTIVE MEASURES STANDARD(ROUTINE) PRECAUTIONS	
6	EPIDEMIOLOGY OF CHRONIC NON COMMUNICABLE DISEASES AND CONDITIONS	CARDIOVASCULAR DISEASES		CM 8.2, 8.3- 8.6
			RISK FACTORS	CM 8.2, 8.3- 8.6
			SYMPTOMS OF HEART ATTACK AND STROKE	CM 8.2, 8.3- 8.6
			INTERVENTION TO REDUCE CVS DISEASE AND BURDEN	CM 8.2, 8.3- 8.6
		CORONARY HEART DISEASE		CM 8.2, 8.3- 8.6
			MEASURING THE BURDEN OF THE DISEASE	CM 8.2, 8.3- 8.6
			EPIDEMICITY	CM 8.2, 8.3- 8.6
			INTERNATIONAL VARIATIONS	CM 8.2, 8.3- 8.6
			CORONARY HEART DISEASE IN INDIA	CM 8.2, 8.3- 8.6
			RISK FACTORS	CM 8.2, 8.3- 8.6

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			PREVENTION OF CHD	CM 8.2, 8.3- 8.6
		HYPERTENSION		CM 8.2, 8.3- 8.6
			ORGAN DAMAGE	CM 8.2, 8.3- 8.6
			BLOOD PRESSURE MEASUREMENT	CM 8.2, 8.3- 8.6
			CLASSIFICATION	CM 8.2, 8.3- 8.6
			MAGNITUDE OF THE PROBLEM	CM 8.2, 8.3- 8.6
			PREVALANCE IN INDIA	CM 8.2, 8.3- 8.6
			RISK FACTORS	CM 8.2, 8.3- 8.6
		STROKE		CM 8.2, 8.3- 8.6
		RHD		CM 8.2, 8.3- 8.6
			PROBLEM	CM 8.2, 8.3- 8.6
			EPIDEMIOLOGICAL FACTORS	CM 8.2, 8.3- 8.6
			CLINICAL FEATURES	CM 8.2, 8.3- 8.6
			DIAGNOSIS	CM 8.2, 8.3- 8.6
			PREVENTION	CM 8.2, 8.3- 8.6
		CANCER		CM 8.2, 8.3- 8.6
			PROBLEM STATEMENT	CM 8.2, 8.3- 8.6
			TIME TRENDS	CM 8.2, 8.3- 8.6
			CANCER PATTERNS	CM 8.2, 8.3- 8.6
			CAUSES OF CANCER	CM 8.2, 8.3- 8.6
			CANCER CONTROL	CM 8.2, 8.3- 8.6
		DIABETES		CM 8.2, 8.3- 8.6
			CLASSIFICATION	CM 8.2, 8.3- 8.6
			INSULIN RESISTANCE	CM 8.2, 8.3- 8.6
			SYNDROME(SYNDROME X)	
			PROBLEM STATEMENT	CM 8.2, 8.3- 8.6
			NATURAL HISTORY	CM 8.2, 8.3- 8.6
			SCREENING FOR DIABETES	CM 8.2, 8.3- 8.6
			PREVENTION AND CARE	CM 8.2, 8.3- 8.6

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		OBESITY		CM 8.2, 8.3- 8.6
			PREVALANCE IN INDIA	CM 8.2, 8.3- 8.6
			EPIDEMIOLOGICAL DETERMINANTS	CM 8.2, 8.3- 8.6
			USE OF BMI TO CLASSIFY OBESITY	CM 8.2, 8.3- 8.6
			ASSESSMENT OF OBESITRY	CM 8.2, 8.3- 8.6
			HAZARDS OF OBESITY	CM 8.2, 8.3- 8.6
			PREVENTION AND CONTROL	CM 8.2, 8.3- 8.6
		BLINDNESS		CM 8.2, 8.3- 8.6
			THE PROBLEM	CM 8.2, 8.3- 8.6
			CAUSES OF BLINDNES	CM 8.2, 8.3- 8.6
			EPIDEMOLOGICAL DETERMINANTS	CM 8.2, 8.3- 8.6
			CHANGING CONCEPTS IN EYE HEALTH CARE	CM 8.2, 8.3- 8.6
			PREVENTION OF BLINDNESS	CM 8.2, 8.3- 8.6
			NATIONAL AND INTERNATIONAL AGENCIES	CM 8.2, 8.3- 8.6
		ACCIDENTS AND INJURIES		CM 8.2, 8.3- 8.6
			MEASUREMENTS OF PROBLEM	CM 8.2, 8.3- 8.6
			TYPES OF ACCIDENTS	CM 8.2, 8.3- 8.6
			MULTIPLE CAUSATION	CM 8.2, 8.3- 8.6
7	HEATH PROGRAMMES IN INDIA			CM 8.3
		NATIONAL VECTOR BORNE DISEASE CONTROL PROGRAMME	MALARIA	CM 8.3
			ELIMINATION OF LYMPHATIC FILARIASIS	CM 8.3
			KALA AZAR	CM 8.3
			JAPANESE ENCAPHALITIS	CM 8.3

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			DENGUE FEVER/ DENGUE HAEMORRHAIC FEVER	CM 8.3
			CHICKUNGUNIA FEVER	CM 8.3
		NATIONAL LEPROSY ERADICATION PROGRAMME		CM 8.3
		REVISED NATIONAL TUBERCULOSIS CONTROL PROGRAMME		CM 8.3
		NATIONAL AIDS CONTROL PROGRAMME		CM 8.3
		NATIONAL PROGRAMME FOR CONTROL OF BLINDNESS	VISION 2020 : RIGHT TO SIGHT	CM 8.3
			UNIVERSAL EYE HEALTH : A GLOBAL ACTION PLAN 2014-2019	CM 8.3
		UNIVERSAL IMMUNISATION PROGRAMME		CM 8.3
		NATIONAL HEALTH MISSION		CM 8.3
		NATIONAL URBAN HEATH MISSION		CM 8.3
		NATIONAL RURAL HEATH MISSION		CM 8.3
		REPRODUCTIVE AND CHILD HEATH PROGRAMME		CM 8.3
				CM 8.3
			RCH PHASE 1	CM 8.3
			RCH PHASE 2	CM 8.3
			JANANI SURAKSHA YOJANA	CM 8.3
			JANANI SISHU SURAKSHA KARYAKRAM	CM 8.3
			NAVHJAT SISHU SURAKSHA KARYAKRAM	CM 8.3
			INTEGRATED MANAGEMENT OF NEONATAL AND CHILDHOOD ILLNESS	CM 8.3
		RMNCH+A	RASHTRIYA BAL SWASTHYA KARYAKRAM	CM 8.3
				CM 8.3

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			ADOLESCENT REPRODUCTIVE AND SEXUAL HEALTH PROGRAMME	CM 8.3
			WIFS	CM 8.3
		INDIA NEWBORN ACTION PLAN	MENSTRUAL HYGEINE SCHEME	CM 8.3
		NATIONAL PROGRAMME FOR HEALTHCARE FOF ELDERLY		CM 8.3
		NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF CANCER, DIABETES, CARDIOVASCULAR DISEASES AND STROKE		CM 8.3
			DIABETES, CARDIOVASCULAR DISEASE AND STROKE COMPONENT UNDER NPCDCS	CM 8.3
		NATIONAL MENTAL HEALTH PROGRAMME	CANCER COMPONENT UNDER NPCDCS	CM 8.3
		INTEGRATED DISEASE SURVEILLANCE PROJECT		CM 8.3
		NATIONAL GUINEA WORM ERADICATION PROGRAMME		CM 8.3
		YAWS ERADICATION PROGRAMME		CM 8.3
		NATIONAL PROGRAMME FOR CONTROL AND TREATMENT OF OCCUPATIONAL DISEASES		CM 8.3
		NUTRITIONAL PROGRAMME		CM 8.3
		NATIONAL FAMILY WELFARE PROGRAMME		CM 8.3
		NATIONAL WATER SUPPLY AND SANITATION PROGRAMME		CM 8.3

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
				CM 8.3
			SWAJALBHARA	CM 8.3
			BHARAT NIRMAAN	CM 8.3
			NIRMAL BHARAT ABHIYAN	CM 8.3
		MINIMUM NEEDS PROGRAMME	SWACCH BHARAT MISSION	CM 8.3
		20 POINT PROGRAMME		CM 8.3
8	MILLENNIUM DEVELOPMENT GOALS TO SUSTAINABLE DEVELOPMENT GOALS	THE MILLENNIUM DEVELOPMENT GOALS	HEALTH IN THE MDG	CM 17.4
		SUSTAINABLE DEVELOPMENT GOALS	REPRODUCTIVE, MATERNAL, NEWBORN AND CHILD HEALTH	CM 17.4
			INFECTIOUS DISEASES	CM 17.4
			NONCOMMUNICABLE DISEASES AND MENTAL HEALTH	CM 17.4
			INJURIES AND VIOLENCE	CM 17.4
			HEALTH SYSTEM	CM 17.4
			INDIA AND SUSTAINABLE DEVELOPMENT GOALS	CM 17.4
9	DEMOGRAPHY AND FAMILY PLANNING	DEMOGRAPHIC CYCLE		CM 9.1 - 9.7, 10,6, 10.7
		WORLD POPULATION TRENDS	BIRTH AND DEATH RATES	CM 9.1 - 9.7, 10,6, 10.7
			GROWTH RATES	CM 9.1 - 9.7, 10,6, 10.7
		DEMOGRAPHIC TRENDS IN INDIA	DEMOGRAPHIC INDICATORS	CM 9.1 - 9.7, 10,6, 10.7
			AGE AND SEX COMPOSITION	CM 9.1 - 9.7, 10,6, 10.7

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			AGE PYRAMIDS	CM 9.1 - 9.7, 10,6, 10.7
			SEX RATIO	CM 9.1 - 9.7, 10,6, 10.7
			DEPENDENCY RATIO	CM 9.1 - 9.7, 10,6, 10.7
			DENSITY OF POPULATION	CM 9.1 - 9.7, 10,6, 10.7
			URBANIZATION	CM 9.1 - 9.7, 10,6, 10.7
			FAMILY SIZE	CM 9.1 - 9.7, 10,6, 10.7
			LITERACY AND EDUCATION	CM 9.1 - 9.7, 10,6, 10.7
			LIFE EXPECTANCY	CM 9.1 - 9.7, 10,6, 10.7
		FERTILITY		CM 9.1 - 9.7, 10,6, 10.7
		FERTILITY RELATED STATISTICS	FERTILITY TRENDS	CM 9.1 - 9.7, 10,6, 10.7
			BIRTH AND DEATH RATES	CM 9.1 - 9.7, 10,6, 10.7
			GROWTH RATES	CM 9.1 - 9.7, 10,6, 10.7
		FAMILY PLANNING	DEFINITION	CM 9.1 - 9.7, 10,6, 10.7
			BASIC HUMAN RIGHTS	CM 9.1 - 9.7, 10,6, 10.7



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SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		JOB DESCRIPTION OF MEMBERS OF HEALTH TEAM		CM 17.1 - 17.5
		HEALTH INSURANCE		CM 17.1 - 17.5
		HEALTH AGENCIES		CM 17.1 - 17.5
		HEALTH PROGRAMMES IN INDIA		CM 17.1 - 17.5
23	INTERNATIONAL HEALTH	WORLD HEALTH ORGANIZATION	PREVENTION AND CONTROL OF SPECIFIC DISEASES	CM 18.1 - 18.2
			DEVELOPMENT OF COMPREHENSIVE HEALTH SERVICES	CM 18.1 - 18.2
			FAMILY HEALTH	CM 18.1 - 18.2
			ENVIRONMENTAL HEALTH	CM 18.1 - 18.2
			HEALTH STATISTICS	CM 18.1 - 18.2
			BIOMEDICAL RESEARCH	CM 18.1 - 18.2
			HEALTH LITERATURE AND INFORMATION	CM 18.1 - 18.2
			CO-OPERATION WITH OTHER ORGANIZATION	CM 18.1 - 18.2
		OTHER UNITED NATIONS AGENCIES	UNICEF	CM 18.1 - 18.2
			UNDP	CM 18.1 - 18.2
			UN FUND FOR POPULATION ACTIVITIES	CM 18.1 - 18.2
			FAO	CM 18.1 - 18.2
			ILO	CM 18.1 - 18.2
			WORLD BANK	CM 18.1 - 18.2
		HEALTH WORK OF BILATERAL AGENCIES	USAID	CM 18.1 - 18.2
			THE COLOMBO PLAN	CM 18.1 - 18.2
			SIDA	CM 18.1 - 18.2
			DANIDA	CM 18.1 - 18.2
		NON-GOVERNMENTAL AND OTHER AGENCIES	ROCKEFELLER FOUNDATION	CM 18.1 - 18.2
			FORD FOUNDATION	CM 18.1 - 18.2

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			CARE	CM 18.1 - 18.2
			INTERNATIONAL RED CROSS	CM 18.1 - 18.2
			INDIAN RED CROSS	CM 18.1 - 18.2
24	MISC	COMPUTER APPLICATIONS IN EPIDEMIOLOGY		CM 7.9
			EXCEL	
			SPSS	
			EPIINFO	
		MEDICAL TOURISM		
		GENDER SENSATIZATION		
		TRIBAL HEALTH		
		DESERT MEDICINE		

**SYLLABUS OF COMMUNITY MEDICINE FOR FIRST PROFESSIONAL YEAR AS PER MCI GUIDELINES FOR CBME**

<b>SNO</b>	<b>Teaching Title</b>	<b>SLO</b>	<b>CC</b>	<b>Competency</b>	<b>TM</b>
1	Family study in relation with its composition & environment	1.To describe demographic profile of family and related factors influencing health. 2.To describe the environmental factors in family influencing health. 3.To enumerate medical problems in family.	CM02.1	Describe the steps and perform clinico-socio-cultural and demographic assessment of the individual, family and community	SGT 01
2	Concept of Public Health	1.Describe the meaning of Health, Public Health and Community Medicine. 2.Describe the difference between Public Health Approach and Clinical Approach. 3.Describe the Core activities of Public Health. 4.Enumerate Public Health Achievements.	CM01.1	Define & Describe Concept of Public Health	L 01
3	Concept of Health	1. Explain the Operational Definition of Health and the concept of Positive Health 2. Describe the various Dimensions of Health 3. Give a brief account of the changing concepts of Health	CM01.2	Define Health; Describe the concept of holistic health including concept of spiritual health and relativeness & determinants of health	L 02
4	Spectrum of Health	1.Explain the concept of 'Standard of living', 'Level of living' and 'Quality of life' 2.Discuss various indices measuring the Quality of life with emphasis on PQLI & HDI 3.Discuss the concept of Spectrum of Health	CM01.2	Define Health; Describe the concept of holistic health including concept of spiritual health and relativeness & determinants of health	L 03
5	Determinants of Health	1.Enlist and describe the various Determinants of Health 2.Describe the Individual, Community, State and International responsibility towards protection and promotion of Health 3.Discuss the ecology and Right to Health	CM01.2	Define Health; Describe the concept of holistic health including concept of spiritual health and relativeness & determinants of health	L 04
6	Concept of Disease	1.Describe the concept of Disease 2.Distinguish the terms "Disease", "Illness" and "Sickness". 3.Discuss the concept of 'Spectrum of Disease' and 'Iceberg of Disease'.	CM01.3	Describe the characteristics of agents, host and environmental factors in health & disease and the multifactorial etiology of disease	L 05
7	Concept of Causation	1.Discuss the concept of "Germ Theory of Disease" and "Epidemiological triad" 2.Discuss the Natural History of Disease and Pre and Pathogenesis phases 3.Explain the Guidelines for defining "Risk factors" and "Risk groups"	CM01.4	Describe and discuss the natural history of disease	L 06
8	Role of Social Factors in Health & Disease	1.Define Family and Describe its types, functions & role in health & Disease 2.Describe the social factors & Cultural factors & their role in health and disease 3.Elicit the social & cultural factors affecting health & disease in the given example 4.Describe the method of assessment of socio - economic status 5.Determine socio - economic status in the given example	CM02.2	Describe Socio-cultural factors, family, its role in health and disease & demonstrate in a simulated environment the correct assessment of socio- economic status	SGT 02
9	Levels of Prevention & Application of Interventions	1.Enumerate levels of prevention of disease 2.Describe & explain in detail the levels of prevention of disease 3.Enlist the modes of intervention 4.Describe & explain in detail the modes of intervention 5.Distinguish the terms "Impairment", "Disability" and "Handicap"	CM01.5	Describe the application of intervention at various levels of Prevention	L 07
10	Poverty & Social Security Measures	1.Define Poverty & Describe its effect on health & disease 2.Describe Concept of Social Security measures and its application 3.Describe the measures taken for reduction of effects of poverty in health & disease	CM02.5	Describe Poverty and Social Security measures and its relationship to health & Disease	L 08
11	Health Services Philosophies	1.Discuss the characteristics and various levels of Health care in India 2.Explain the concept of Primary Health care in India 3.Explain the various components of Health system and the Health team concept 4.Discuss the concept of Health Services Research and its scope	CM01.5	Describe the application of intervention at various levels of Prevention	L 09
12	Community, Hospitals And Control Measures in Public Health	1.Explain the concept of Disease Control, Elimination and Eradication 2.Differentiate in role of Hospital Services & Community Services 3.Enumerate functions of Physician 4.Describe the concept of Community Diagnosis & Community Treatment	CM01.5	Describe the application of intervention at various levels of Prevention	L 10
13	M D G s & S D G s	1.Explain the concept of MDGs & SDGs 2.Enumerate health related goals of MDGs & SDGs 3.Describe MDGs & SDGs in context with India 4.Describe achievement in MDGs	CM01.7	Enumerate & Describe Health Indicators	L 11

SYLLABUS OF COMMUNITY MEDICINE FOR FIRST PROFESSIONAL YEAR AS PER MCI GUIDELINES FOR CBME

SNO	Teaching Title	SLO	CC	Competency	TM
14	Special Indicators of Health	1.Classify and Enumerate health indicators 2.Explain characteristics of indicators 3.Define HALE, DALY, QALY 4.Describe in detail mortality and morbidity indicators 5.Differentiate in Indicator & Index	CM01.7	Enumerate & Describe Health Indicators	L 12
15	Introduction to Demography	1.Describe the Demographic Cycle. 2.Describe demographic trends in World & India	CM09.1	Define & describe the principles of Demography, Demographic Cycle, Vital Statistics	L 13
16	Overview of Vaccines & Cold Chain	1.Define Vaccine and Classify Vaccines with examples 2.Describe concept of Cold Chain 3.Enumerate various cold chain equipment and describe their use 4.Demonstrate use of VVM (Vaccine Vial Monitor)	CM10.5	Describe Universal Immunization Program; Integrated Management of Neonatal and Childhood Illness (IMNCI) and other existing programs	SGT 03
17	Demographic profile of India	1.Describe the importance of knowing Demographic Profile 2.Describe Demographic Profile of India and its impact on health 3.Describe the conduction and findings of recent Census	CM01.8	Describe Demographic profile of India and discuss its impact on Health	L 14
18	Update of Socio - Economic Classification	1.Demonstrates how to use latest Socio-Economic Classification Scale	CM02.2	Describe Socio-cultural factors, family, its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status	SDL 01
19	Health Promotion by Health Education, IEC & BCC	1. Describe the concept and benefits of Health Promotion 2. Describe methods of Health Education 3. Demonstrate scribe the conduction and findings of recent Census	CM01.6	Describe & Discuss the Concepts, the principles of Health promotion and Education, IEC and Behavioural Change Communication	SGT 04
20	IEC BCC Tools - I	1.Demonstrates use of IEC Tools & BCC Techniques	CM01.6	Describe & Discuss the Concepts, the principles of Health promotion and Education, IEC and Behavioural Change Communication	SDL 02
21	IEC BCC Tools - II	1.Demonstrates use of IEC Tools & BCC Techniques	CM01.6	Describe & Discuss the Concepts, the principles of Health promotion and Education, IEC and Behavioural Change Communication	SDL 03
22	Principals & Practice of Health Education	1.Define the health education and describe the principles of health education. 2.Describe different approaches to health education. 3.Describe different models of health education.	CM04.1	Describe the methods of health education with their advantages and limitations	L 15
23	Status of MCH Care in India	1.Enumerate different issues in maternal & child health 2.Enlist common causes of maternal mortality in India 3.Enlist common causes of Infant mortality in India 4.Describe Current Status of MCH Care in India	CM10.1	Describe the current status of Reproductive, Maternal, Newborn & Child Health	SGT 05
24	Administration & Organization of Health Education	1.Describe and identify appropriate method of communication in given situation. 2.Enumerate different aids used in health education. 3.Describe Importance of Counselling and GATHER approach.	CM04.2	Describe the methods of organizing health promotion and education and counselling activities at individual family and community settings	L 16
25	Types of Communication & Barriers of Communication	1.Describe communication process. 2.Enumerate & Describe types of Communication. 3.Enumerate & Describe Communication Barriers.	CM04.1	Describe the methods of health education with their advantages and limitations	L 17
26	Nutrients and Nutritional requirements	1.Describe common sources of various nutrients. 2.Describe changing nutritional requirements in various age groups 3.Describe changing nutritional requirements in various physiological conditions.	CM05.1	Describe common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions	L 18
27	IEC BCC Tools - MCH	1.Demonstrates use of IEC Tools & BCC Techniques	CM01.6	Describe & Discuss the Concepts, the principles of Health promotion and Education, IEC and Behavioural Change Communication	SDL 04
28	IEC BCC Tools - Nutrition	1.Demonstrates use of IEC Tools & BCC Techniques	CM01.6	Describe & Discuss the Concepts, the principles of Health promotion and Education, IEC and Behavioural Change Communication	SDL 05
29	Introduction to Epidemiology	1.Define Epidemiology 2.Demonstrate understanding of Distribution & Determinants 3.Describe concept of Epidemiology with example	CM07.1	Define Epidemiology and describe and enumerate the principles, concepts and uses	L 19
30	Introduction to Infectious disease Epidemiology	1.Enumerate and Describe various modes of disease transmission 2.Describe Incubation period, Epidemic & Endemic, Prevalence & Incidence 3.Enumerate & Describe various preventive measures	CM07.2	Enumerate, describe & discuss the modes of transmission and measures for prevention & control of communicable & non-communicable diseases	L 20

SYLLABUS OF COMMUNITY MEDICINE FOR FIRST PROFESSIONAL YEAR AS PER MCI GUIDELINES FOR CBME

SNO	Teaching Title	SLO	CC	Competency	TM
31	Parasitic Diseases prevalent in India	1. Define parasite with examples of common parasitic infection in India. 2. Describe the factors influencing parasitic diseases. 3. Describe measures of prevention and control of parasitic diseases.	CM08.1	Describe & Discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	SGT 06
32	Role of Nutrition in Health & Disease	1. Enumerate the major nutritional problems of Public Health Importance. 2. Describe Protein Energy Malnutrition and various preventive measures 3. Describe the prevention and control of Vitamin A disorders, Iodine deficiency disorders and Nutritional anemia.	CM05.3	Define & Describe Common Nutrition related health Disorders and their control & Management	SGT 07
33	Communicable Diseases prevalent in India	1. Define communicable disease and enlist the common ones prevalent in India. 2. Describe types of communicable disease. 3. Describe the factors influencing disease transmission 4. Describe measures for prevention and control of communicable disease..	CM08.1	Describe & Discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	SGT 08
34	Non Communicable Diseases prevalent in India	1. Define non-communicable disease and enlist the common ones prevalent in India. 2. Describe risk factors influencing the development of non-communicable disease. 3. Describe measures for prevention and control of non-communicable disease.	CM08.2	Describe & Discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for non-communicable diseases	SGT 09

SNO	Teaching Title	SLO	CC	Competency	TM
1	<b>Infectious Disease Epidemiology</b>	1. Define Epidemiology, its triad 2. Explain endaeimic, epidaemic , Sporadic 3. Describe mode of transmission of disease, its prevention and Control	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 01</b>
2	<b>Small Pox. Chickenpox</b>	1. Describe the epidemiological triad and the prevention aspects 2. To understand the factors that contribute to epidemics 3. Enumerate the factors that led to the eradication of Small Pox 4. Enumerate the differences between the two eradication processes	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 01</b>
3	<b>Influenza</b>	1. Describe Epidemiology of Influenza 2. Describe preventive and control measures of Influenza	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 02</b>
4	<b>SARS</b>	1. Describe Epidemiology of SARS 2. Describe preventive and control measures of SARS	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 03</b>
5	<b>Measles</b>	1. Describe Epidemiology of Measles 2. Describe preventive and control measures of SARS	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 02</b>
6	<b>Mumps, Rubela</b>	1. Describe Epidemiology of Mumps and Rubella 2. Describe preventive and control measures for the same	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 04</b>
7	<b>Diphtheria, Pertusis, Tetanus</b>	1. Describe Epidemiology of Diphtheria, Pertusis and Tetanus 2. Describe preventive and control measures for the same	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 05</b>
8	<b>Acute Diarrhoeal Diseases. Cholera.</b>	1. Describe Epidemiology of Acute Diarrhoeal Diseases 2. Describe preventive and control measures for the same 3. Explain principles, composition, advantages of Oral Rehydration Solution	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 03</b>
9	<b>Typhoid. Salmonelosis.</b>	1. Describe Epidemiology of Salmenollosis 2. Describe preventive and control measures for the same	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 06</b>
10	<b>Food Poisoning</b>	1. Describe Epidemiology of Food Poisoning 2. Describe preventive and control measures for the same	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 07</b>
11	<b>Tuberculosis Epidemiology</b>	1. Describe Epidemiology of Tuberculosis 2. Describe the strategies for prevention and control of Tuberculosis in India.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 04</b>
12	<b>Meningococal Meningitis</b>	1. Describe the basic epidemiology of meningitis. 2. Outline prevention and infection control plan	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 08</b>
13	<b>Acute Respiratory Infections</b>	1. Define and classify ARI 2. Describe epidemiological features of ARI 3. Identify, Assess and treat ARI as per IMNCI guidelines at Community level 4. Describe prevention and control of ARI	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 09</b>
14	<b>Tuberculosis Elimination</b>	1. Describe the Management of Drug sensitive and drug resistant tuberculosis. 2. Discuss the End TB strategy for control of Tuberculosis.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 05</b>
15	<b>STD. Yaws</b>	1. Classify STD 2. Describe epidemiological features for the same 3. Describe strategies for preventive and control measures	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 10</b>
16	<b>Syndromic Approach</b>	1. To understand the problems with classical approaches for treating STI 2. Identify Main features of syndromic case management 3. To understand Advantages of using syndromic approach 4. What are the Steps in using the flow charts for STDS	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 11</b>
17	<b>Viral Hepatitis</b>	1. Describe Epidemiology of Viral Hepatitis 2. Outline classification and characteristics of Hepatitis Viruses 3. Describe preventive and control measures for the same 4. To understand the importance of laboratory tests done in Hepatitis	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 06</b>

SNO	Teaching Title	SLO	CC	Competency	TM
18	<b>Lymphatic Filariasis</b>	1. Describe Epidemiology of Filaria 2. Describe preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 12</b>
19	<b>Leprosy</b>	1. Describe Epidemiology of Leprosy and comparison between different types of Leprosy 2. Describe preventive and control measures for the same? 3. Describe the value of lepromin test in correlation to different types of Leprosy 4. Describe strategies for Leprosy elimination	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 13</b>
20	<b>Poliomyelitis</b>	1. Describe Epidemiology and prevention of poliomyelitis. 2. Discuss in detail the strategies for polio eradication in India. 3. Discuss the strategies in AFP surveillance. 4. Describe pulse polio immunization.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 07</b>
21	<b>Yellow Fever. JE.</b>	1. Describe Epidemiology of Yellow Fever and JE 2. Describe preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 14</b>
22	<b>Nipah Virus. KFD.</b>	1. What is Nipah Virus 2. Describe epidemiology of Nipah Virus and KFD 3. Describe preventive and control measures for the same.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 15</b>
23	<b>HIV/ AIDS</b>	1. Describe Epidemiology of HIV/AIDS and preventive and control measures for the same? 2. Discuss the Antiretroviral treatment and Post-exposure prophylaxis in HIV/AIDS.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 08</b>
24	<b>Chikungunya. Leptospirosis</b>	1. Describe Epidemiology of Chikungunya and preventive and control measures for the same? 2. Describe Epidemiology of Leptospirosis and preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 16</b>
25	<b>Brucellosis. Plague.</b>	1. Describe Epidemiology of Brucellosis and preventive and control measures for the same? 2. Describe Epidemiology of Plague and preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 17</b>
26	<b>Malaria.</b>	1. Describe Epidemiology of Malaria? 2. Describe the guidelines for diagnosis and treatment of uncomplicated and severe malaria in India. 3. Discuss the various parameters for Measurement of malaria?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 09</b>
27	<b>Dracunculiasis. Trachoma</b>	1. Describe Epidemiology of Dracunculiasis and preventive and control measures for the same? 2. Describe Epidemiology of Trachoma and preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 18</b>
28	<b>Leshmaniasis</b>	1. Describe Epidemiology of Leishmaniasis and preventive and control measures for the same? 2. Discuss the laboratory diagnosis of leishmaniasis. 3. Discuss the Key indicators in the kala-azar elimination.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 19</b>
29	<b>Dengue, Zika Virus Disease</b>	1. Describe Epidemiology of Dengue and preventive and control measures for the same? 2. Discuss the laboratory diagnosis of Dengue. 3. Describe Epidemiology of Zika and preventive and control measures for the same	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 10</b>
30	<b>New Infectious Diseases</b>	1. Enlist the Emerging and Re-emerging diseases. 2. Describe the strategies for controlling Emerging and Re-emerging diseases.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 20</b>
31	<b>Hospital Acquired Infections</b>	1. Define 'Hospital -acquired infection' and discuss its etiology. 2. Discuss the various measures for prevention of 'Hospital -acquired infection'.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SGT 21</b>
32	<b>Rabies</b>	1. Describe the Epidemiology and prevention of Human Rabies. 2. Discuss the Post-exposure prophylaxis in Rabies.	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>L 11</b>
33	<b>Amoebiasis. Ascariasis. Hookworm.</b>	1. Describe Epidemiology of Amoebiasis and preventive and control measures for the same? 2. Describe Epidemiology of Ascariasis and preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SDL 01</b>
34	<b>Taeniasis. Hydatid Disease</b>	1. Describe Epidemiology of Hookworm and preventive and control measures for the same? 2. Describe Epidemiology of Taeniasis and preventive and control measures for the same?	CM8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<b>SDL 02</b>

SNO	Teaching Title	SLO	CC	Competency	TM
35	<b>Nutritional Problems in Public Health</b>	1. Explain different types of nutritional problems in public health 2. Describe the causes of malnutrition in India 3. Explain common micronutrient deficiencies prevalent in India.	CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	L 12
36	<b>Assessment of Nutritional Status</b>	1. Enumerate the methods used for assessment of nutritional status 2. Describe the functional indices, biochemical assessment of nutritional status 3. Explain comparison between growth monitoring and Nutritional surveillance.	CM5.2	Describe and demonstrate the correct method of performing a nutritional assessment of individuals, families and the community by using the appropriate method	SGT 22
37	<b>Nutritional surveillance &amp; Growth Monitoring</b>	1. Enumerate the methods used for assessment of nutritional status 2. Describe the functional indices, biochemical assessment of nutritional status 3. Explain comparison between growth monitoring and Nutritional surveillance.	CM5.5	Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of sociocultural factors	SGT 23
38	<b>Food Borne Diseases</b>	1. Enumerate food borne diseases 2. Describe diseases caused by food intoxicants 3. Describe types of common food borne infections	CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	L 13
39	<b>Food Surveillance</b>	a. Define food surveillance, Types and importance of food surveillance. b. Explain the concept of adding food additives to food products. c. Describe the importance of food fortification in public health	CM5.5	Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of sociocultural factors	SGT 24
40	<b>Food Additives &amp; Food Fortification</b>	Food Surveillance, Food Additives and Food Fortification 1. Define food surveillance, Types and importance of food surveillance. 2. Explain the concept of adding food additives to food products. 3. Describe the importance of food fortification in public health.	CM5.8	Describe and discuss the importance and methods of food fortification and effects of additives and adulteration	SGT 25
41	<b>Nutritional Factors in Selected Diseases</b>	1. Describe the relationship between nutritional factors and Cardiovascular diseases, Diabetes, Obesity and Cancers 2. Describe community nutrition programs of public health importance 3. Explain monitoring and evaluation of nutrition programs.	CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	SDL 03
42	<b>Social aspects of Nutrition</b>	1. Explain types of malnutrition; enumerate causes of over nutrition and under nutrition. 2. Enumerate the cultural influences, socioeconomic factors and food production related to nutrition. 3. Explain the direct intervention and indirect policy instruments of the National Nutrition Policy	CM5.1	Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions	SGT 26
43	<b>Ecology of Malnutrition</b>	1. Explain types of malnutrition; enumerate causes of over nutrition and under nutrition. 2. Enumerate the cultural influences, socioeconomic factors and food production related to nutrition. 3. Explain the direct intervention and indirect policy instruments of the National Nutrition Policy	CM5.1	Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions	SGT 27
44	<b>Community Nutrition Programmes</b>	1. Describe the relationship between nutritional factors and Cardiovascular diseases, Diabetes, Obesity and Cancers 2. Describe community nutrition programs of public health importance 3. Explain monitoring and evaluation of nutrition programs	CM5.6	Enumerate and discuss the National Nutrition Policy, important national nutritional Programs including the Integrated Child Development Services Scheme (ICDS) etc	L 14
45	<b>Monitoring &amp; Evaluation of Nutrition Programme</b>	Describe the relationship between nutritional factors and Cardiovascular diseases, Diabetes, Obesity and Cancers 2. Describe community nutrition programs of public health importance 3. Explain monitoring and evaluation of nutrition programs	CM5.6	Enumerate and discuss the National Nutrition Policy, important national nutritional Programs including the Integrated Child Development Services Scheme (ICDS) etc	SGT 28



SNO	Teaching Title	SLO		Competency	TM
46	National Nutrition Policy	1 Explain types of malnutrition; enumerate causes of over nutrition and under nutrition. 2. Enumerate the cultural influences, socioeconomic factors and food production related to nutrition. 3. Explain the direct intervention and indirect policy instruments of the National Nutrition Policy		Enumerate and discuss the National Nutrition Policy, important national nutritional Programs including the Integrated Child Development Services Scheme (ICDS) etc	SGT 29
47	Family Planning & MTP Act	1. Define family planning and describe Demographic Cycle. 2.Enumerate demographic & fertility indicators 3. Calculate demographic & fertility indicators 4. Describe MTP act 1971 in detail and impact of liberalization of abortion		Enumerate and describe various family planning methods, their advantages and shortcomings	L 15
48	Contraceptives	1. Classify contraceptives methods 2. Describe mode of action, effectiveness, risk benefits of barrier method of contraception 3. Describe mode of action, effectiveness, risk benefits of oral contraceptives 4. Describe mode of action, effectiveness, risk benefits of injectable contraceptives.	CM10.6	Enumerate and describe various family planning methods, their advantages and shortcomings	SGT 30
49	Role of Nutrients in Health	1. Enumerate macronutrients and micronutrients required for the body. 2. Explain the dietary sources of the nutrients 3 Describe the functions of the nutrients in the body	CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	SDL 04
50	Water & Health	1. Define safe and wholesome water. 2. Describe sources of water. 3. Describe water purification in large and small scale. 4. Describe water Quality standards. 5. Describe the concept of water conservation and rain water harvesting. 6. Describe water pollution and its effects on health. 7. Describe water related diseases.	CM3.2	Describe concepts of safe and wholesome water, sanitary sources of water, water purification processes, water quality standards, concepts of water conservation and rainwater harvesting	L 16
51	Air & Health	1. Describe the Air composition. 2. Describe Discomfort and Indices of thermal comfort. 3. Describe Air pollutants and prevention and control of Air Pollution.	CM 3.1	Describe the health hazards of air, water, noise, radiation and pollution	L 17
52	Disposal of Waste	1. Describe Solid Waste and sources of Solid waste. 2. Describe various methods of solid disposal. 3. Describe Sanitation barrier. 4. Describe methods of disposal of excreta.	CM3.4	Describe the concept of solid waste, human excreta and sewage disposal	L 18
53	Occupational Diseases. Pneumoconiosis.	1. describe various occupational hazards and occupational diseases with classification. 2. Discuss various types of pneumoconiosis and their prevention.	CM11.5	Describe occupational disorders of health professionals and their prevention & management	L 19
54	Environment Health	1. Describe the Air composition. 2. Describe Discomfort and Indices of thermal comfort. 3. Describe Air pollutants and prevention and control of Air Pollution.	CM3.1	Describe the health hazards of air, water, noise, radiation and pollution	SDL 05
55	Prevention of Occupational Diseases. ESI Act.	1. describe various measures for prevention of occupational diseases. 2. describe the scope, administration and benefits of ESI act.	CM11.2	Describe the role, benefits and functioning of the employees state insurance scheme	L 20
56	Calculation of Demographic Indicators	1. Enumerate demographic & fertility indicators 2. Calculate demographic & fertility indicators 3. Analyse and understand the significance of demographic & fertility indicators	CM9.2	Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates	SDL 06
57	Dietary Advice - I	1 Enumerate the methods used for assessment of nutritional status 2. Describe the functional indices, biochemical assessment of nutritional status 3. Explain comparison between growth monitoring and Nutritional surveillance.	CM5.4	Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment	SDL 07
58	Dietary Advice - II	1 Enumerate the methods used for assessment of nutritional status 2. Describe the functional indices, biochemical assessment of nutritional status 3. Explain comparison between growth monitoring and Nutritional surveillance.	CM5.4	Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment	SDL 08

SNO	Teaching Title	SLO	CC	Competency	TM
59	Days of Public Health Importance - I	1. Enumerate Days of Public Health Importance 2. Describe aims & objectives of important Public health Days 3. Understand the significance of observation Public health Days	CM20.1	List important public health events of last five years	SDL 09
60	Days of Public Health Importance - II	1. Enumerate Days of Public Health Importance 2. Describe aims & objectives of important Public health Days 3. Understand the significance of observation Public health Days	CM20.1	List important public health events of last five years	SDL 10

SN	Teaching Title	SLO	CC	Competancy	TM
<b>EPIDEMIOLOGY</b>					
1	Epidemiology - Concept & Use	1. Define Epidemiology & Understand the Concept 2. Describe Principles of Epidemiology 3. Describe Uses of Epidemiology	CM 7.1	Define Epidemiology And describe and enumerate the principles concepts and uses	L01
2	Epidemiology & Data	1. Enumerate Data Sources of Epidemiology 2. Describe in Detail each data source 3. Discuss the use of Data for Epidemiological Study	CM 7.3	Enumerate, describe and discuss sources of epidemiological data.	L02
3	Epidemiological Study Design	1. Describe various Epidemiological Study Designs 2. Compare the differences in various study Design 3. Describe the difference between association & Causation	CM 7.5	Enumerate, describe define and discuss epidemiological designs	L03
4	Screening of Disease	1. Understand Concept of Screening Test 2. Differentiate between Screening & Diagnostic Test 3. Calculate Sensitivity & Specificity of Screening Test	CM 7.6	Enumerate and evaluate need of screening test	L04
5	Investigation of Epidemic	1. Describe the steps of Epidemic Investigation 2. Draw the Inference from Results of Epidemic Investigation 3. Describe Principles of Epidemic Control	CM 7.7	Describe demonstrate steps in investigation of epidemic of communicable disease and describe principles in control measure	L05
6	EpiInfo	1. Describe the various computer applications for use in Epidemiology 2. Describe the use of EpiInfo 3. Describe the use of GIS	CM 7.9	Describe and dermonstrate application of computers in epidemiology	L06
<b>NON - COMMUNICABLE DISEASES</b>					
7	Cardio vascular Diseases -1		CM 8.2	Describe discuss epidemiological and control measure including use of essential lab tests at primary care level for non communicable diseases (diabetes, obesity )	L07
8	Cardio vascular Diseases -2		CM 8.2		L08
9	Obesity, Diabetes		CM 8.2		L09
10	Blindness, Accidents & Injuries		CM 8.2		L10
11	NCD Control Measures		CM 8.4	Describe principles and enumerate measures to control disease epidemic	L11

SN	Teaching Title	SLO	CC	Competancy	TM
<b>MATERNAL &amp; CHILD HEALTH</b>					
12	MCH - 1	1) What is the current MMR, IMR, Neonatal mortality rate of India? 2) Describe in detail the Strategic Approach to Reproductive, Maternal, Newborn, Child and Adolescent Health (RMNCH +A) in India.	CM 10.1	CM10.1 - Describe the current status of Reproductive, maternal, newborn and Child Health	L12
13	MCH - 2	1) Discuss 'High risk approach' in ANC. 2) Describe the various Preventive services for Antenatal mothers 3) Discuss the Gender issues and various women empowerment strategies in India.	CM 10.2 & CM 10.9	Enumerate and describe the methods of screening high risk groups Describe and discuss gender issues and women empowerment	L13
14	MCH - 3	1) Enlist the various adverse practices relating with childbirth, breast feeding and child rearing practices in India. 2) Discuss the priority interventions for care during pregnancy, childbirth, newborn and child care.	CM 10.3	Describe local customs and practices during pregnancy, childbirth, lactation and child feeding practices	L14
15	MCH - 4	1) Describe in detail the Strategic Approach to Reproductive, Maternal, Newborn, Child and Adolescent Health (RMNCH +A) in India. 2) What are the Goals and Targets relevant to RMNCH+A strategy?	CM 10.4	Describe the reproductive, maternal newborn & child health (RMCH), child survival and safe motherhood interventions	L15
16	MCH - 5	1) Enlist the various health issues faced during Adolescence period and discuss its management. 2) Discuss the various interventions in 'Adolescent Reproductive and Sexual Health programme'. 3) Discuss the 'Menstrual Hygiene Scheme' launched for the adolescent girls.	CM 10.8	Describe the physiology, clinical management and principles of adolescent health including ARSH	L16
<b>HEALTH PLANNING</b>					
17	Health Planning	1. Define health planning , objectives, goals and targets 2. Explain the health needs and demands of the community. 3. Define National development planning	CM 16.1	Define and describe the concept of Health planning	L17
18	Planning Cycle	1. Define planning 2. Enumerate the steps of planning cycle 3. Describe the preparation of objectives and goals in planning cycle 4. Explain the Monitoring and Evaluation process in planning cycle	CM 16.2	Describe planning cycle	L18
19	Health Management Techniques	1. Explain the methods based on behavioural sciences in health 2. Explain cost benefit analysis, cost effective analysis and cost accounting 3. Describe common type of network analysis and Planning Programming - Budgeting System (PPBS)	CM 16.3	Describe Health management techniques	L19

SN	Teaching Title	SLO	CC	Competancy	TM
20	National Health Planning & Policy	1. Explain the objectives and indicators of National Health Policy 2017 2. Enumerate different Health Committee's in India & explain recommendations of these committees 3. Enumerate the broad objectives of the health programmes during the five year plan 4. Enumerate the objectives & Outcome indicators of 12th Five year plan	CM 16.4	Describe health planning in India and National policies related to health and health planning	L20
<b>HEALTH CARE DELIVERY</b>					
21	Health Care Delivery - 1	1 Define Health, Describe Community & its Components 2. Define and describe the concept of health care to community 3. Describe community diagnosis & its role in Management and control of diseases	CM 17.1 & CM 17.2	Define and describe the concept of health care to community Describe community diagnosis	L21
22	Health Care Delivery -2	1. Describe the background & concept of primary Health care 2. Differentiate between Comprehensive Health care & Primary Health care 3 Describe primary health care, its components and principles	CM 17.3	Describe primary health care, its components and principles	L22
23	Health Care Delivery -3	1 Describe National policies related to health and health planning 2. Enumerate the components of National Health policy 2000 & its significance 3. describe MDG & SDG 4. Describe the strategies to achieve SDG 5. Situation analysis of India as a country in relation to MDG &SDG	CM 17.4	Describe National policies related to health and health planning and millennium development goals	L23
24	Health Care Delivery -4	1 Define Health System 2. Describe Health system & its components 3. Describe health care delivery in India in rural & urban setting	CM 17.5	Describe health care delivery in India	L24
<b>FAMILY PLANNING &amp; DEMOGRAPHY</b>					
25	Demography - 1	1.To achieve knowledge about size,composition,organisation and distribution of population. 2. To understand demography cycle and stages of demography cycle. 3. Define vital statistics , need and sources of vital statistics. 4.To understand important vital statistics and their estimation.	CM 9.1	Define and describe the principles of Demography, Demographic cycle, Vital statistics	L25

SN	Teaching Title	SLO	CC	Competancy	TM
26	Demography - 2	1 Define sex ratio and to study the sex ratio at birth with increasing birth order . 2. To ascertain the relationship of declining sex ratio with respect to socio demographic factors. 3.To study outlook of people towards sex preference.	CM 9.3	Enumerate and describe the causes of declining sex ratio and it's social and health implications	L26
27	Demography - 3	1.What is NPP and its importance. 2.Objectives to formulate NPP. 3.To study National socio-demographic goals to be achieved by the year 2010.	CM 9.6	Describe the National Population Policy	L27
<b>SOCIAL SCIENCES</b>					
28	Sociology - 1	1.Enumerate various socio-cultural factor and their impact on health and disease 2.Define family,family life cycle.Describe various types of families and its role in health and disease 3.Describe various Socio-Economic Status Scale	CM 2.2	Describe the socio-cultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status	L28
29	Sociology - 2	1.Define and describe social psychology 2.Understand community behaviour towards health and disease. 3.Enumerate relationship between community and health	CM 2.4	Describe social psychology, community behaviour and community relationship and their impact on health and disease	L29
30	Sociology - 3	1.Describe the barrier to good health and health seeking behaviour 2.Understand the importance of good health and health seeking behaviour 3.Demonstrate the practices in seeking good health	CM 2.3	Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior	L30
<b>NATIONAL HEALTH PROGRAMS</b>					
31	NHP - 1	1.Describe the component of the National Leprosy Eradication Programmes(NLEP).Describe the major initiation in the programme 2.Describe monitoring and evaluation indicators of the programme	PH 1.55	National Leprosy "ERADICATION " Programmes (NLEP)	L31
32	NHP -2	1.Describe the objective of RNTCP 2.Describe the organogram and function of RNTCP 3.Describe new and newer initiation in RNTCP 4.Describe TB-HIV coordination	PH 1.55	Revised National Tuberculosis Control Programmes (RNTCP)	L32

SN	Teaching Title	SLO	CC	Competancy	TM
33	NHP -3	1.Describe the milestone of the National AIDS Control Programme(NACP) 2.Describe the organisation structure and function of National AIDS Control Programme(NACP) 3.Describe the package of services provided under National AIDS Control Programme(NACP)	PH 1.55	National AIDS Control Programmes (NACP)	L33
34	NHP -4	1.Describe the objective of National Programme for control of Blindness 2.Describe the strategies adopted to achieve the objective of National Programme for Control of Blindness 3.Describe the administration system,service delivery and referral system for control of blindness	PH 1.55	National Programmes For Control Of BLINDNESS	L34
35	NHP -5	1.Define the concept of Reproductive and Child Health Programme(RCH) 2.Describe the major intervention in Phase 1 3.Describe intervention in Phase 2 4.Describe special scheme such as JSY,JSSK,IMNCI and RBSK 5.Describe the RMNCH+A strategy	PH 1.55	Reproductive And Child Health Programme (RCH)	L35
36	NHP -6	1.Describe the background of the components of the programme 2.Describe the objectives and services of the Diabetes,Cardiovascular and Stroke(DCS) component of the programme 3.Describe the objective and services of the cancer	PH 1.55	National Programmes For Prevention And Control Of CANCER,DIABETES,CARDIOVASCULAR DISEASES AND STROKE (NPCDCS)	L36
<b>BIostatISTICS</b>					
37	Biostat - 1		CM 6.1	Formulate a research question for a study	L37
38	Biostat - 2		CM 6.2	Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	L38
39	Biostat - 3		CM 6.3	Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various designs	L39
40	Biostat - 4		CM 6.4	Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution,measures of central tendency and dispersion	L40

SN	Teaching Title	SLO	CC	Competancy	TM
41	National programme for prevention and control of Cancer, Diabetes, CVD and Stroke	1. Describe the background of the components of the programme 2. Describe the objectives and services of the Diabetes, Cardiovascular and Stroke (DCS) component of the programme 3. Describe the objective and services of the cancer			SGT01
42	ANC Care	1) Enumerate the objectives of Antenatal care 2) Describe the various Preventive services for Antenatal mothers 3) Calculate the number of expected pregnancies per year in a specified area.			SGT02
43	PNC and Newborn Care	1) Enumerate the objectives of Postpartal care 2) Discuss the complications of postpartal period and its prevention 3) Describe the Preventive services for Postpartal mothers 4) Describe the various aspects of Early neonatal care 5) Describe the Neonatal examinations to be done to ensure optimum neonatal care.			SGT03
44	Under-5 Child	1) Enlist the causes of Under-5 Mortality rate 2) Describe services provided in an Under-5 clinic 3) Describe the preventive measures to reduce Under-5 Mortality rate			SGT04
45	Growth and Development	1) Enlist the determinants of Growth and development 2) Describe the Growth charts used in India and uses of Growth charts 3) Discuss the various aspects regarding Surveillance of Growth and development			SGT05
46	Cafeteria Approach	1) Discuss the 'Cafeteria approach' in Family planning programmes 2) What is Unmet need for family planning and enlist the reasons for unmet need.			SGT06
47	Indicator Calculations				SGT07
48	Socio Economic Classifications				SGT08
49	Social Security				SGT09
50	Disaster Management	1. Define Disaster and describe types of disaster 2. Describe disaster cycle 3. Describe disaster management.			SGT10



SN	Teaching Title	SLO	CC	Competancy	TM
51	Hospital Waste Management-Seminar	1. Define hospital waste and types of waste. 2. Describe Bio medical waste management. 3. Describe Bio medical waste management and Handling in India			SGT11
52	International Health	1. Describe the concept of International health 2. Evolution of concept of the International health 3. Enumerate the various International health agencies and describe their roles			SGT12
53	Hospital Integrated Management System	1. Define Nosocomial Infections 2. Describe the chain of transmission of Nosocomial Infections. 3. Describe the prevention and control of Nosocomial Infections.			SGT13
54	Tribal Health in India	1. Describe demography of Tribal Community in India 2. Describe burden of disease in the Tribal Communities 3. Describe health facilities for Tribal population under National Health Mission of India.			SGT14
55	Measures of Central Tendency				SGT15
56	Measures of Dispersion				SGT16
57	Test of Significance				SGT17
58	Calculation Chi-square				SGT18
59	Calculation "t" Test Paired & unpaired t test				SGT19
60	Calculation of standard error of two proportion				SGT20
61	Parametric and Non-parametric test				SGT21
62	Covid - 19				SGT22
63	Mental Health				SGT23
64	Nutrition				SGT24
65	Tribal Health in India	1. Give the demographic profile of tribal population in India 2. Describe the communicable and Non communicable diseases among tribal population 3. Explain facilities for schedule tribes under National Health Mission.			SGT25

SN	Teaching Title	SLO	CC	Competancy	TM
66	International Classification of diseases & its Significance	1. Explain the criteria used for International Classification of diseases ICD 10 2. Discuss the coding system used in ICD classification 3. Enumerate the chapters in the ICD 10 classification.			SGT26
67	MDG & SDG - 1	1. Explain the commitments towards health mentioned in the MDGs.2. Enumerate health related Millennium Development Goals in India3. Give the achievements in the field of health under MDGs			SGT27
68	MDG & SDG - 2	1. Mention the reproductive and child health indicators goals and targets for SDGs in India2. Explain Communicable and Non communicable diseases indicators to achieve the targets of SDGs3. Enumerate the SDG targets and proposed indicators related to health systems			SGT28
69	NHP & NPP	1. Mention the goal and objectives of National Health Policy 2017 2. Explain the indicators to measure Health status and program impact . 3.Give methods to check Health System performance 4 Explain the initial objectives of NPP in April 1976 5. Discuss the objectives of NPP 2000 . 6. Enumerate the National socio demographic goals to be achieved by 2010.			SGT29
70	Integrated Disease Surveillance Project	1. Explain the need for the Integrated Disease Surveillance Project Describe the functions of Central Surveillance Unit, State Surveillance Unit and District Surveillance unit.. Discuss the components and classification of surveillance in IDSP			SGT30
71	Newer Vaccine	1. Enumerate the names of Newer Vaccines, 2. Discuss the posology of Seasonal influenza quadri-valent vaccine, IPV, HPV, JE, Rota virus vaccine, Pneumococcal vaccine & Meningococcal vaccines. 3. Explain the types of Covid 19 vaccine, posology and its efficacy.			SGT31

SN	Teaching Title	SLO	CC	Competancy	TM
72	Use of Computers in Medicine	1. Enumerate uses of Computers in Medicine 2. Describe application of Computers in Epidemiology 3. Describe National Digital Health Mission, its aims, Objectives & benefits to Community			SDL01
73	Medical Genetics	To describe & study of human genetics in context of Community Medicine 2. classify Genetic Disorders 3. describe Prevention & control of Genetic disorders 4. application of genetic counselling in Prevention & control of Genetic disorders			SDL02
74	Health Care delivery system-State and Local Level	1. Define and describe the concept of health care to community 2. Describe health care delivery at Local, State & National level in India 3. Describe National policies related to health and health planning and millennium development goal			SDL03
75	Ergonomics	1. Describe the principles of ergonomics in health preservation 2. Describe occupational disorders of health professionals and their prevention & management 3. Enumerate and describe specific occupational health hazards, their risk factors and preventive measures			SDL04
76	Indian NGO'S & Its Role In Public Health	1. Define and describe the concept of International health 2. Describe roles of various NGOs in delivery of Public Health .			SDL05
77	AYUSH	1. Describe role of Ayush in health care delivery system in India 2. Enumerate Components of Ayush			SDL06
78	Legislations In Public Health	1. List important public health events of last five years 2. Describe various issues during outbreaks and their prevention 3. Demonstrate awareness about laws pertaining to practice of medicine such as Clinical establishment Act and Human Organ Transplantation Act and its implications			SDL07



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**COMPREHENSIVE PLAN OF INTERNAL ASSESSMENT IN COMMUNITY MEDICINE  
AS PER CBME CURRICULUM OF MEDICAL COUNCIL OF INDIA  
REVISED 2022 FOR IMPLEMENTATION BY MGMIHS**

PHASE – I      First Professional      (First M.B.,B.S.)

**Assessment Pattern**

1. One Internal Assessment Exam will be conducted in First Year approximately one month prior to First Year Prelim Examinations.
2. Both Theory and Practical Exams will be conducted as per the Competency Guidelines.
3. Theory Exam will be of 50 Marks (1/4th of University Pattern of 200 Marks)  
Time: 2 Hrs.  
Paper pattern:-  
Section A - 10 Multiple Choice Questions of 1 Mark Each - Total 10 Marks  
Section B -    Q. 1 - 1 out of 2 Long Answer Questions - 10 Marks  
                  Q. 2 - 6 out of 8 Short Answer Questions - 30 Marks (5 Each)
4. Practical Exam will be of 25 Marks (1/4th of University Pattern of 100 Marks)  
Marks distribution for Practical Exam -  
Viva Voce      - 20 Marks  
Logbook        - 05 Marks
5. Appropriate proportion of marks obtained will be included in Internal assessment for final University Examination of IIIrd MBBS – Part I

**Already Approved by BOS / AC / BOM from Academic Year – 2019-20**

<b>Assessment</b> (First Professional)	Term End Theory Exam. Marks	End of Posting Theory Exam. Marks	Term End Practical Exam. Marks	End of Posting Practical Exam. Marks
Year End Assessment	50	NA	25	NA
<b>TOTAL</b>	<b>50</b>		<b>25</b>	



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PHASE – II Second Professional (Second M.B., B.S. / 3<sup>rd</sup> and 4<sup>th</sup> Sem Previously)

<b>Assessment</b> (Second Professional)	Term End Theory Exam. Marks	End of Posting Theory Exam. Marks	Term End Practical Exam. Marks	End of Posting Practical Exam. Marks
CP Assessment		50		50
Term End Assessment - I	50		25	
Term End Assessment - II	50		25	
<b>TOTAL</b>		<b>150</b>		<b>100</b>

**Clinical Posting Assessment Pattern**

End of Posting Theory Exam will be of 50 Marks

Time: 1 Hour

Paper pattern: -

50 Multiple Choice Questions of 1 Mark Each - Total 50 Marks

Will be conducted after completion of Clinical Posting by All Batches

End of Posting Practical Exam will be of 50 Marks

Marks distribution for Practical Exam: -

Spots (5) - 25 marks

Visit Viva - 05 Marks

Grand Viva - 10 Marks

Assignment - 05 Marks (IEC Material – Poster)

Logbook - 05 Marks

**Term End Assessment Pattern**

Term End Theory Exam will be of 50 Marks

Time: 2 Hrs.

Paper pattern:-

Section A - 10 Multiple Choice Questions of 1 Mark Each - Total 10 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 10 Marks

Q. 2 - 6 out of 8 Short Answer Questions - 30 Marks (5 Each)

Term End Practical Exam will be of 25 Marks

Marks distribution for Practical Exam: -

Viva Voce - 20 marks

Logbook - 05 Marks



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PHASE – III Third Professional

(Third M.B., B.S. Part I / 6<sup>th</sup> and 7<sup>th</sup> Sem Previously)

<b>Assessment</b> Third Professional	Term End Theory Exam. Marks	End of Posting Theory Exam. Marks	Term End Practical Exam. Marks	End of Posting Practical Exam. Marks
CP Assessment		50		50
Term End Assessment	100		50	
<b>TOTAL</b>		<b>150</b>		<b>100</b>
<b>PRELIMS</b>		<b>200</b>		<b>100</b>

**Clinical Posting Assessment Pattern**

End of Posting Theory Exam will be of 50 Marks –

Time: 1 Hour

Paper pattern: -

50 Multiple Choice Questions of 1 Mark Each - Total 50 Marks

Will be conducted after completion of Clinical Posting by All Batches

Marks distribution for Practical Exam: -

Case Viva - 25 Marks

Visit Viva - 05 Marks

Grand Viva - 10 Marks

Assignment - 05 Marks (IEC Material – Video)

Logbook - 05 Marks

**Term End Assessment Pattern**

Term End Theory Exam will be of 100 Marks - Time: 3 Hrs.

Paper pattern:-

Section A - 20 Multiple Choice Questions of 1 Mark Each - Total 20 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Section C - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Term End Practical Exam will be of 50 Marks

Marks distribution for Practical Exam: -

Spots / Stats - 25 Marks

Viva Voce - 20 Marks

Logbook - 05 Marks



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**Department of Community Medicine**

**Prelim Exam Pattern (Same as University Exam)**

Prelim Theory Exam will be of 200 Marks

Paper pattern:- ( No of Papers – 2) - Time: 3 Hrs.

Section A - 20 Multiple Choice Questions of 1 Mark Each - Total 20 Marks

Section B - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

Section C - Q. 1 - 1 out of 2 Long Answer Questions - 15 Marks

Q. 2 - 5 out of 7 Short Answer Questions - 25 Marks (5 Each)

(Paper 2 Section C Question 2 will contain one SAQ on AETCOM Module 2.8 / 3.4)

Prelim Practical Exam will be of 100 Marks

Marks distribution for Practical Exam: -

Spots (5) - 25 Marks

Stat / Epid Exercise (5) - 25 Marks

Case Viva - 25 Marks

Grand Viva - 25 Marks

**CONVERSION TO FINAL INTERNAL ASSESSMENT MARKS**

Assessment	Theory			Practical		
	Max. Marks	Conversion Factor	Internal Assessment	Max. Marks	Conversion Factor	Internal Assessment
First Professional	50	20 %	10	25	40 %	10
Second Professional	150	30 %	45	100	40 %	40
Third Professional	150	30 %	45	100	40 %	40
Prelim Examination	200	50 %	100	100	100 %	100
Field Activity Participation				10	100 %	10
<b>TOTAL</b>	<b>200 (550)</b>	<b>50%</b>	<b>100</b>	<b>200 (335)</b>	<b>50%</b>	<b>100</b>

**FINAL MARK LIST (MAX. MARKS)**

University Exam		Internal Assessment	
Theory	Practical	Theory	Practical
<b>200</b>	<b>100</b>	<b>100</b>	<b>100</b>

## **Topic distribution in theory paper – Community Medicine**

(Broad distribution. May not be followed exactly as many subtopics are interrelated)

### **Paper I**

History of Public Health

Concept of Health & Disease

Epidemiology

Screening of Disease

Epidemiology of Communicable Diseases

Epidemiology of Non-Communicable Diseases

National Health Programs related to Communicable & Non-Communicable Diseases

Genetics & Health

Mental Health

Environment & Health

Biomedical Waste Management

Health information and Basic Medical Statistics

### **Paper II**

Reproductive Maternal and Child Health & National Health Programs related to it

Demography & Family Planning

Nutrition and National Health Programs related to it

Medicine & Social Sciences

Tribal Health

Disaster Management

Occupational Health

Communication for Health Education

Health planning & Management

Health Care of Community

International Health

Recent Advances

AETCOM Module 2.8 – What does it mean to be family member of a sick patient?

AETCOM Module 3.4 – Case Studies in Bioethics: Confidentiality



**Resolution No. 3.35 of Academic Council (AC-42/2022):** Resolved to approve the recommended list of books for UG student CBME batch (Department of Community Medicine) for theory & Practical:

**(P.T.O)**

SN	Title of Book / Authors /Editors	Author / Editor	Current Edition
01	Park's Textbook of Preventive & Social Medicine	K. Park	26 <sup>th</sup> /2021
02	IAPSM's Textbook of Community Medicine	AM Kadri	2 <sup>nd</sup> / 2021
03	Text Book of Community Medicine	Rajvir Bhalwar, Puja Dudeja	4 <sup>th</sup> / 2021
04	Text Book of Community Medicine Preventive & Social Medicine	Sunder Lal	7 <sup>th</sup> / 2022
05	Epidemiology And Management for Health Care	PV Sathe, PP Doke	6 <sup>th</sup> / 2022
06	Comprehensive textbook of Biostatistics & Research Methodology	S. Kartikeyan, RM Chaturvedi	1 <sup>st</sup> / 2016
07	Golden Notes for Preventive and Social Medicine	Patel Parimal	2 <sup>nd</sup> / 2020
08	Short Notes in Community Medicine	P V D Shetty	3 <sup>rd</sup> / 2022
09	Practical & Viva in Community Medicine	J Kishore	4 <sup>th</sup> / 2021
10	National Health Programs of India	J Kishore	14 <sup>th</sup> / 2022
11	Question Bank in Community Medicine	J Kishore	2 <sup>nd</sup> / 2021
12	Practical Guide: Qualitative Methods in Health and Educational Research	Amol Dongre Pradeep Deshmukh	1 <sup>st</sup> / 2021
12	PSM Residency Made Easy (RME)	Dr Krishan Rajbhar Dr. Ashish Kumar Sharma	1 <sup>st</sup> /2022

Resolution No. 3.37 of Academic Council AC-42/2022 needs to be amended with following addition at the end of list of topics for paper II as-

AETCOM Module 2.8-What does it mean to be family member of a sick patient?

AETCOM Module 3.4- Case Studies in Bioethics: Confidentiality.

**Amended Resolution No. 3.37 of Academic Council AC-42/2022 is reproduced below:**

**Amended Resolution No. 3.37 of Academic Council (AC-42/2022):** Resolved to approve the Broad distribution of topics for Theory Paper 1 and Paper 2 for Community Medicine in the UG programme (CBME):

**Paper I**

- History of Public Health
- Concept of Health & Disease
- Epidemiology
- Screening of Disease
- Epidemiology of Communicable Diseases
- Epidemiology of Non-Communicable Diseases
- National Health Programs related to Communicable & Non-Communicable Diseases
- Genetics & Health
- Mental Health
- Environment & Health
- Biomedical Waste Management
- Health information and Basic Medical Statistics

**Paper II**

- Reproductive Maternal and Child Health & National Health Programs related to it
- Demography & Family Planning
- Nutrition and National Health Programs related to it
- Medicine & Social Sciences
- Tribal Health
- Disaster Management
- Occupational Health
- Communication for Health Education
- Health planning & Management
- Health Care of Community
- International Health
- Recent Advances
- AETCOM Module 2.8-What does it mean to be family member of a sick patient?
- AETCOM Module 3.4- Case Studies in Bioethics: Confidentiality.



# MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

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