



MGM INSTITUTE OF HEALTH SCIENCES

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

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai -410 209

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COMPETENCY BASED MEDICAL EDUCATION (CBME)

(with effect from 2019-2020 Batches)

Curriculum for Third M.B.B.S – Part I Community Medicine

Amended upto AC-42/2022, Dated 26/04/2022

Amended History

1. Approved as per AC-42/2022, [Resolution No. 3.36]; dated 26/04/2022.
2. Ammended as per AC-42/2022, [Resolution No. 3.35], [Resolution No 3.37]; dated 26/04/2022.(Incorporated at the end of syllabus).



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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 1st, 2nd, 3rd 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
COMMUNITY MEDICINE									
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
Topic: Relationship of social and behavioural to health and disease Number of competencies: (5) Number of procedures that require certification: (NIL)									
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			
Topic: Environmental Health Problems Number of competencies: (8) Number of procedures that require certification: (NIL)									
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	
Topic: Principles of health promotion and education Number of competencies: (3) Number of procedures that require certification: (NIL)									
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			
Topic: Nutrition Number of competencies: (08) Number of procedures that require certification: (NIL)									
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	
Topic: Basic statistics and its applications Number of competencies: (04) Number of procedures that require certification: (NIL)									
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	
Topic: Epidemiology Number of competencies: (09) Number of procedures that require certification: (NIL)									
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
Topic: Epidemiology of communicable and non- communicable diseases Number of competencies:(7) Number of procedures that require certification:(NIL)									
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			
Topic: Demography and vital statistics Number of competencies: (07) Number of procedures that require certification: (NIL)									
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			
Topic: Reproductive maternal and child health Number of competensies:(09) Number of procedures that require certification: (NIL)									
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			
Topic: Occupational Health Number of competencies: (05) Number of procedures that require certification: (NIL)									
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			
Topic: Geriatric services Number of competencies: (04) Number of procedures that require certification: (NIL)									
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	
Topic: Disaster Management <div> Number of competencies: (04) Number of procedures that require certification: (NIL) </div>									
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	
Topic: Hospital waste management <div> Number of competencies: (03) Number of procedures that require certification: (NIL) </div>									
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
Topic: Mental Health <div> Number of competencies: (03) Number of procedures that require certification: (NIL) </div>									
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			
	Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication. Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently, Column F: DOAP session – Demonstrate, Observe, Assess, Perform. Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation								
Intergration									
Physiology									
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 ¹	

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
Biochemistry									
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	
Pathology									
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	
Microbiology									
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			
Pharmacology									
PH1.55	Describe and discuss the following National Health programmes including Immunisation, Tuberculosis, Leprosy, Malaria, HIV, Filaria, Kala Azar, Diarrhoeal diseases, Anaemia & nutritional disorders, Blindness, Non-communicable diseases, Cancer and Iodine deficiency	K	KH	Y	Lecture	Written / Viva voce			Community Medicine
Forensic Medicine & Toxicology									
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	
Dermatology, Venereology & Leprosy									
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
Ophthalmology									
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
Psychiatry									
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	
General Medicine									
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	

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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 IVCF	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
General Surgery									
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	
Respiratory Medicine									
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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			Q FEVER	CM 8.1, 8.3 - 8.6
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SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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			EMERGING DISEASES RE EMERGING DISEASES ANTI MICROBIAL RESISTANCE RESPONDING TO EPIDEMICS	
		HOSPITAL ACQUIRED INFECTIONS	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
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			CAUSES OF CANCER	CM 8.2, 8.3- 8.6
			CANCER CONTROL	CM 8.2, 8.3- 8.6
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			SYNDROME(SYNDROME X)	
			PROBLEM STATEMENT	CM 8.2, 8.3- 8.6
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			SCREENING FOR DIABETES	CM 8.2, 8.3- 8.6
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SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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			PREVENTION AND CONTROL	CM 8.2, 8.3- 8.6
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			EPIDEMIOLOGICAL DETERMINANTS	CM 8.2, 8.3- 8.6
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7	HEATH PROGRAMMES IN INDIA			CM 8.3
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			ELIMINATION OF LYMPHATIC FILARIASIS	CM 8.3
			KALA AZAR	CM 8.3
			JAPANESE ENCAPHALITIS	CM 8.3

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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			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
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				CM 8.3

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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			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
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		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
8	MILLENNIUM DEVELOPMENT GOALS TO SUSTAINABLE DEVELOPMENT GOALS	MINIMUM NEEDS PROGRAMME 20 POINT PROGRAMME THE MILLENNIUM DEVELOPMENT GOALS	SWAJALBHARA	CM 8.3
			BHARAT NIRMAAN	CM 8.3
			NIRMAL BHARAT ABHIYAN	CM 8.3
			SWACCH BHARAT MISSION	CM 8.3
				CM 8.3
		SUSTAINABLE DEVELOPMENT GOALS	HEALTH IN THE MDG	CM 17.4
			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
9	DEMOGRAPHY AND FAMILY PLANNING	DEMOGRAPHIC CYCLE		CM 17.4
		WORLD POPULATION TRENDS	BIRTH AND DEATH RATES	CM 17.4
			GROWTH RATES	CM 17.4
		DEMOGRAPHIC TRENDS IN INDIA	INDIA AND SUSTAINABLE DEVELOPMENT GOALS	CM 17.4
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				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
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			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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			THE WELFARE CONCEPT	CM 9.1 - 9.7, 10,6, 10.7
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			ELIGIBLE COUPLES	CM 9.1 - 9.7, 10,6, 10.7
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		NATIONAL POPULATION POLICY 2000		CM 9.1 - 9.7, 10,6, 10.7
		CONTRACEPTIVE METHODS	SPACING METHODS	CM 9.1 - 9.7, 10,6, 10.7
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			PREVENTIVE PAEDIATRICS	CM 10.1 - 10.5, 10.8, 10.9

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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			MCH PROBLEMS	CM 10.1 - 10.5, 10.8, 10.9
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			PREGNANCY DETECTION	CM 10.1 - 10.5, 10.8, 10.9
		ANTENATAL CARE	OBJECTIVES	CM 10.1 - 10.5, 10.8, 10.9
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			PRENATAL ADVICE	CM 10.1 - 10.5, 10.8, 10.9
			SPECIFIC HEALTH PROTECTION	CM 10.1 - 10.5, 10.8, 10.9
			MENTAL PREPARATION	CM 10.1 - 10.5, 10.8, 10.9
			FAMILY PLANNING	CM 10.1 - 10.5, 10.8, 10.9
			PAEDIATRIC COMPONENT	CM 10.1 - 10.5, 10.8, 10.9
		INTRANATAL CARE	DOMICILIARY CARE	CM 10.1 - 10.5, 10.8, 10.9
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SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			ROOMING-IN	CM 10.1 - 10.5, 10.8, 10.9
		POSTNATAL CARE	CARE OF MOTHER	CM 10.1 - 10.5, 10.8, 10.9
			COMPLICATIONS OF POSTPARAL PERIOD	CM 10.1 - 10.5, 10.8, 10.9
			RESTORATION OF MOTHER TO OPTIMAL HEALTH	CM 10.1 - 10.5, 10.8, 10.9
			BREAST FEEDING	CM 10.1 - 10.5, 10.8, 10.9
			FAMILY PLANNING	CM 10.1 - 10.5, 10.8, 10.9
			BASIC HEALTH EDUCATION	CM 10.1 - 10.5, 10.8, 10.9
		CARE OF CHILDREN		CM 10.1 - 10.5, 10.8, 10.9
		INFANCY		CM 10.1 - 10.5, 10.8, 10.9
		NEONATAL CARE	EARLY NEONATAL CARE	CM 10.1 - 10.5, 10.8, 10.9
			IMMEDIATE CARE	CM 10.1 - 10.5, 10.8, 10.9
			NEONATAL EXAMINATION	CM 10.1 - 10.5, 10.8, 10.9
			THE INFECTED NEWBORN	CM 10.1 - 10.5, 10.8, 10.9
		MEASURING THE BABY		CM 10.1 - 10.5, 10.8, 10.9

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		FEEDING OF INFANTS	BREAST FEEDING	CM 10.1 - 10.5, 10.8, 10.9
			ARTIFICIAL FEEDING	CM 10.1 - 10.5, 10.8, 10.9
		GROWTH AND DEVELOPMENT		CM 10.1 - 10.5, 10.8, 10.9
		GROWTH CHART		CM 10.1 - 10.5, 10.8, 10.9
		CARE OF THE PRE-SCHOOL CHILD		CM 10.1 - 10.5, 10.8, 10.9
		CHILD HEALTH PROBLEMS		CM 10.1 - 10.5, 10.8, 10.9
		RIGHTS OF WOMEN AND CHILDREN		CM 10.1 - 10.5, 10.8, 10.9
		RIGHTS OF THE CHILD		CM 10.1 - 10.5, 10.8, 10.9
		NATIONAL POLICY FOR CHILDREN		CM 10.1 - 10.5, 10.8, 10.9
		DELIVERING THE MCH SERVICES		CM 10.1 - 10.5, 10.8, 10.9
		INDICATORS OF MCH CARE	MATERNAL MORTALITY RATIO	CM 10.1 - 10.5, 10.8, 10.9
			MORTALITY IN INFANCY AND CHILDHOOD	CM 10.1 - 10.5, 10.8, 10.9
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		NUTRIENTS	PROTEINS	CM 5.1
			FATS	CM 5.1
			CARBOHYDRATES	CM 5.1
			DIETARY FIBRES	CM 5.1
			VITAMINS	CM 5.1
			MINERALS	CM 5.1
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		ENERGY		CM 5.1
		NUTRITIONAL PROBLEMS IN PUBLIC HEALTH		CM 5.3
		NUTRITIONAL FACTORS IN SELECTED DISEASES	CARDIVASCULAR DISEASE	CM 5.3
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			OBESITY	CM 5.3
			CANCER	CM 5.3
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			ANTHROPOMETRY	CM 5.2
			BIOCHEMICAL EVALUATION	CM 5.2
			FUNCTIONAL ASSESSMENT	CM 5.2
			ASSESSMENT OF DIETARY INTAKE	CM 5.2
			VITAL AND HEALTH STATISTICS	CM 5.2

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				CM 5.5
			PROBLEM OF MALNUTRITION	CM 5.3
			ECOLOGY OF MALNUTRITION	CM 5.3
			PREVENTIVE AND SOCIAL MEASURES	CM 5.3
			FOOD HYGIENE	CM 5.7
			FOOD BORNE DISEASES	CM 5.7
			FOOD BORNE INTOXICANTS	CM 5.7
			FOOD BORNE INFECTIONS	CM 5.7
			FOOD TOXICANTS	CM 5.7
			VITAMIN A PROPHYLAXIS PROGRAMME	CM 5.6
			PROPHYLAXIS AGAINST NUTRITIONAL ANAEMIA	CM 5.6
			CONTROL OF IODINE DEFICIENCY DISORDERS	CM 5.6
			SPECIAL NUTRITION PROGRAMME	CM 5.6
			BALWADI NUTRITION PROGRAMME	CM 5.6
			ICDS PROGRAMME	CM 5.6
			MID-DAY MEAL PROGRAMME	CM 5.6
			MID-DAY MEAL SCHEME	CM 5.6
		SOCIAL AND BEHAVIOURAL SCIENCES	ECONOMICS	CM 2.1 - 2.5
			POLITICAL SCIENCE	CM 2.1 - 2.5
			SOCIOLOGY	CM 2.1 - 2.5
			SOCIAL PSYCHOLOGY	CM 2.1 - 2.5
			ANTHROPOLOGY	CM 2.1 - 2.5
			CULTURAL FACTORS IN HEALTH AND DISEASE	CM 2.1 - 2.5
			THE COMMUNITY	CM 2.1 - 2.5

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
13	ENVIRONMENT AND HEALTH	HOSPITAL SOCIOLOGY		CM 2.1 - 2.5
		THE ART OF INTERVIEWING		CM 2.1 - 2.5
		COMMUNITY SERVICES		CM 2.1 - 2.5
		ECONOMICS		CM 2.1 - 2.5
		WATER	REQUIREMENTS, USES,SOURCES	CM 3.2
			WATER POLLUTION	CM 3.2
			PURIFICATION OF WATER	CM 3.2
			WATER QUALITY - CRITERIA AND STANDARDS	CM 3.2
			SURVEILLANCE OF DRINKING WATER	CM 3.2
			HARDNESS OF WATER	CM 3.2
			SPECIAL TREATMENT	CM 3.2
		AIR	AIR POLLUTION	CM 3.1
			VENTILATION	CM 3.1
		LIGHT	MEASUREMENT OF LIGHT	CM 3.1
			NATURAL LIGHTING	CM 3.1
			ARTIFICIAL LIGHTING	CM 3.1
		NOISE	EFFECTS OF NOISE EXPOSURE	CM 3.1
			CONTROL OF NOISE	CM 3.1
		RADIATION	SOURCE	CM 3.1
			TYPES	CM 3.1
			BIOLOGICAL EFFECTS OF RADIATION	CM 3.1
			RADIATION PROTECTION	CM 3.1
		METEOROLOGICAL ENVIRONMENT	AIR TEMPERATURE	CM 3.1
			HUMIDITY	CM 3.1
			PRECIPITATION	CM 3.1
			AIR VELOCITY	CM 3.1
		HOUSING	GOALS	CM 3.5

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			HOUSING STANDARDS	CM 3.5
			RURAL HOUSING	CM 3.5
			HOUSING AND HEALTH	CM 3.5
			OVERCROWDING	CM 3.5
			INDICATORS OF HOUSING	CM 3.5
			PUBLIC POLICY	CM 3.5
		DISPOSAL OF WASTE	SOLID WASTE	CM 3.4
			SOURCES OF REFUSE	CM 3.4
			STORAGE	CM 3.4
			COLLECTION	CM 3.4
			METHODS OF DISPOSAL	CM 3.4
			PUBLIC EDUCATION	CM 3.4
			ECONOMICS AND FINANCE	CM 3.4
		EXCRETA DISPOSAL	PUBLIC HEALTH IMPORTANCE	CM 3.4
			EXTENT OF PROBLEM IN INDIA	CM 3.4
			SANITATION BARRIER	CM 3.4
			METHODS OF EXCRETA DISPOSAL	CM 3.4
			SEWERED AREAS	CM 3.4
			WATER CARRIAGE SYSTEM AND SEWAGE TREATMENT	CM 3.4
			UNSEWERED AREAS	CM 3.4
			SERVICE TYPE LATRINES	CM 3.4
			NON-SERVICE TYPE LATRINES	CM 3.4
			LATRINE SUITABLE FOR CAMPS AND TEMPORARY USE	CM 3.4
			SEWAGE	CM 3.4
			HEALTH ASPECT	CM 3.4
			COMPOSITION	CM 3.4
			MODERN SEWAGE TREATMENT	CM 3.4

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14	HOSPITAL WASTE MANAGEMENT	MEDICAL ENTOMOLOGY	ARTHROPOD BORNE DISEASES	CM 3.6 - 3.8
			TRANSMISSION OF ARTHROPOD DISEASES	CM 3.6 - 3.8
			PRINCIPLES OF ARTHROPOD CONTROL	CM 3.6 - 3.8
		SOURCES OF HEALTH CARE WASTE		CM 14.1 - 14.3
		HEALTH-CARE WASTE GENERATION		CM 14.1 - 14.3
		HEALTH HAZARDS OF HEALTH-CARE WASTE		CM 14.1 - 14.3
		TREATMENT AND DISPOSAL TECHNOLOGIES FOR HEALTH-CARE WASTE	INCINERATION	CM 14.1 - 14.3
			CHEMICAL DISINFECTION	CM 14.1 - 14.3
			WET AND DRY THERMAL TREATMENT	CM 14.1 - 14.3
			MICROWAVE IRRADIATION	CM 14.1 - 14.3
15	DISASTER MANAGEMENT		LAND DISPOSAL	CM 14.1 - 14.3
			INERTIZATION	CM 14.1 - 14.3
		BIOMEDICAL WASTE MANAGEMENT IN INDIA		CM 14.1 - 14.3
		DISASTER MANAGEMENT	DISASTER IMPACT AND RESPONSE	CM 13.1 - 13.4
			RELIEF PHASE	CM 13.1 - 13.4
			EPIDEMIOLOGIC SURVEILLANCE AND DISEASE CONTROL	CM 13.1 - 13.4
			VACCINATION	CM 13.1 - 13.4
			NUTRITION	CM 13.1 - 13.4
			REHABILITATION	CM 13.1 - 13.4
			DISASTER MITIGATION IN HEALTH SECTOR	CM 13.1 - 13.4
			DISASTER PREPAREDNESS	CM 13.1 - 13.4
			POLICY DEVELOPMENT	CM 13.1 - 13.4

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16	OCCUPATIONAL HEALTH	MAN-MADE DISASTERS HEALTH OF THE WORKER	PERSONAL PROTECTION IN DIFFERENT TYPES OF EMERGENCIES	CM 13.1 - 13.4
			DISASTERS IN INDIA	CM 13.1 - 13.4
				CM 11.1 - 11.5
		OCCUPATIONAL HAZARDS	PHYSICAL HAZARDS	CM 11.1 - 11.5
			CHEMICAL HAZARDS	CM 11.1 - 11.5
			BIOLOGICAL HAZARDS	CM 11.1 - 11.5
			MECHANICAL HAZARDS	CM 11.1 - 11.5
			PSYCHOSOCIAL HAZARDS	CM 11.1 - 11.5
		OCCUPATIONAL DISEASES	PNEUMOCONIOSIS	CM 11.1 - 11.5
			SILICOSIS	CM 11.1 - 11.5
			ANTHRACOSIS	CM 11.1 - 11.5
			BYSSINOSIS	CM 11.1 - 11.5
			BAGASSOSIS	CM 11.1 - 11.5
			ASBESTOSIS	CM 11.1 - 11.5
			FARMER'S LUNG	CM 11.1 - 11.5
			LEAD POISONING	CM 11.1 - 11.5
			OCCUPATIONAL CANCER	CM 11.1 - 11.5
			SKIN CANCER	CM 11.1 - 11.5
			LUNG CANCER	CM 11.1 - 11.5
			CANCER BLADDER	CM 11.1 - 11.5
			LEUKAEMIA	CM 11.1 - 11.5
			OCCUPATIONAL DERMATITIS	CM 11.1 - 11.5
		RADIATION HAZARDS	EFFECTS OF RADIATION	CM 11.1 - 11.5
			PREVENTIVE MEASSURES	CM 11.1 - 11.5
		OCCUPATIONAL HAZARDS OF AGRICULTURAL WORKERS		CM 11.1 - 11.5
			ACCIDENTS IN INDUSTRY	CM 11.1 - 11.5

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		SICKNESS ABSENTEEISM		CM 11.1 - 11.5
		HEALTH PROBLEM DUE TO INDUSTRIALIZATION		CM 11.1 - 11.5
		MEASURES FOR HEALTH PROTECTION OF WORKERS	NUTRITION	CM 11.1 - 11.5
			COMMUNICABLE DISEASE CONTROL	CM 11.1 - 11.5
			ENVIRONMENTAL SANITATION	CM 11.1 - 11.5
			MENTAL HEALTH	CM 11.1 - 11.5
			MEASURES FOR WOMEN AND CHILDREN	CM 11.1 - 11.5
			HEALTH EDUCATION	
			FAMILY PLANING	
		PREVENTION OF OCCUPATIONAL DISEASES	MEDICAL MEASURES	CM 11.1 - 11.5
			ENGINEERING MEASURES	CM 11.1 - 11.5
			LEGISLATION	CM 11.1 - 11.5
		OCCUPATIONAL HEALTH IN INDIA		CM 11.1 - 11.5
17	GENETICS AND HEALTH	CLASSIFICATION	CHROMOSOMAL	
			MENDELIAN	
			MULTIFACTORIAL	
		ROLE OF GENETIC PREDISPOSITION IN COMMON DISORDERS		
		ADVANCES IN MOLECULAR GENETICS		
		FACTORS WHICH INFLUENCE THE GENE FREQUENCIES		
		PREVENTIVE AND SOCIAL MEASURES	HEALTH PROMOTIONAL MEASURES	
			SPECIFIC PROTECTION	
			EARLY DIAGNOSIS AND TREATMENT	
			REHABILITATION	
18	MENTAL HEALTH		PROBLEM STATEMENT	CM 15.1 - 15.3

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19	HEALTH INFORMATION AND BASIC HEALTH STATISTICS	ALCOHOLISM AND DRUG DEPENDENCE	CHARACTERISTICS OF A MENTALLY HEALTHY PERSON	CM 15.1 - 15.3
			WARNING SIGNALS OF POOR MENTAL HEALTH	CM 15.1 - 15.3
			TYPES OF MENTAL ILLNESS	CM 15.1 - 15.3
			CAUSES OF MENTAL ILL HEALTH	CM 15.1 - 15.3
			PREVENTIVE ASPECTS	CM 15.1 - 15.3
			MENTAL HEALTH SERVICES	CM 15.1 - 15.3
			COMPREHENSIVE MENTAL HEALTH PROGRAMME	CM 15.1 - 15.3
			THE PROBLEM	CM 15.1 - 15.3
			AGENT FACTORS	CM 15.1 - 15.3
			HOST FACTORS	CM 15.1 - 15.3
		REQUIREMENTS, COMPONENTS AND USES OF HEALTH INFORMATION	SYMPTOMS OF DRUG ADDICTION	CM 15.1 - 15.3
			ENVIRONMENTAL FACTORS	CM 15.1 - 15.3
			PREVENTION	CM 15.1 - 15.3
			TREATMENT	CM 15.1 - 15.3
			REHABILITATION	CM 15.1 - 15.3
				CM 8.7, 9.7
		SOURCES OF HEALTH INFORMATION	CENSUS	CM 8.7, 9.7
			REGISTRATION OF VITAL EVENTS	CM 8.7, 9.7
			SAMPLE REGISTRATION SYSTEM	CM 8.7, 9.7
			NOTIFICATION OF DISEASES	CM 8.7, 9.7
			HOSPITAL REPORTS	CM 8.7, 9.7
			DISEASE REGISTERS	CM 8.7, 9.7
			RECORD LINKAGE	CM 8.7, 9.7
			EPIDEMIOLOGICAL SURVEILLANCE	CM 8.7, 9.7

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20	COMMUNICATION FOR HEALTH EDUCATION	ELEMENTARY STATISTICAL METHODS	OTHER HEALTH SERVICES RECORD	CM 8.7, 9.7
			ENVIRONMENTAL HEALTH DATA	CM 8.7, 9.7
			HEALTH MANPOWER STATISTICS	CM 8.7, 9.7
			POPULATION SURVEYS	CM 8.7, 9.7
			OTHER ROUTINE STATISTICS RELATED TO HEALTH	CM 8.7, 9.7
			NON-QUATIFIABLE INFORMATION	CM 8.7, 9.7
			TABULATION	CM 8.7, 9.7
			CHARTS AND DIAGRAMS	CM 8.7, 9.7
			LINE DIGRAM	CM 8.7, 9.7
			STATISTISCAL MAPS	CM 8.7, 9.7
			STATISTICAL AVERAGES	CM 8.7, 9.7
			MEASURES OF DISPERSION	CM 8.7, 9.7
			NORMAL DISTRIBUTION	CM 8.7, 9.7
			SAMPLINGTEST OF SIGNIFICANCE	CM 8.7, 9.7
			CHI-SQUARE TEST	CM 8.7, 9.7
			CO-RELATION AND REGRESSION	CM 8.7, 9.7
		THE COMMUNICATION PROCESS		
			TYPES OF COMMUNICATION	
			BARRIERS OF COMMUNICATION	
			HEALTH COMMUNICATION	
			HEALTH EDUCATION	
		ALMA-ATA DECLARATION		
			APPROACH TO HEALTH EDUCATION	CM 4.1 -4.3
			MODELS OF HEALTH EDUCATION	CM 4.1 -4.3
			CONTENTS OF HELAYH EDUCATION	CM 4.1 -4.3
			PRINCIPLES OF HEALTH EDUCATION	CM 4.1 -4.3
			PRACTICE OF HEALTH EDUCATION	CM 4.1 -4.3
			PLANNING AND MANAGEMENT	CM 4.1 -4.3

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21	HEALTH PLANNING AND MANAGEMENT	ADMINISTRATION AND ORGANIZATION		CM 4.1 -4.3
		HEALTH PLANNING	PLANNING CYCLE	CM 16.1 -16.4
		MANAGEMENT	MANAGEMENT METHODS AND TECHNIQUES	CM 16.1 -16.4
			METHODS BASED ON BEHAVIOURAL SCIENCES	CM 16.1 -16.4
			QUANTITATIVE METHODS	CM 16.1 -16.4
		NATIONAL HEALTH POLICY 2002		CM 16.1 -16.4
		NATIONAL HEALTH POLICY 2015, 2017		CM 16.1 -16.4
		HEALTH PLANNING IN INDIA	BHORE COMMITTEE 1946	CM 16.1 -16.4
			MUDALIAR COMMITTEE 1962	CM 16.1 -16.4
			CHADAH COMMITTEE 1963	CM 16.1 -16.4
			MUKERJI COMMITTEE 1965	CM 16.1 -16.4
			MUKERJI COMMITTEE 1966	CM 16.1 -16.4
			JUNGANWALA COMMITTEE 1967	CM 16.1 -16.4
			KARTAR SINGH COMMITTEE 1973	CM 16.1 -16.4
			SHRIVASTAV COMMITTEE 1975	CM 16.1 -16.4
			RURAL HEALTH SCHEME 1977	CM 16.1 -16.4
			HEALTH FOR ALL BY 2000AD - REPORT OF THE WORKING GROUP, 1981	CM 16.1 -16.4
		PLANNING COMMISSION		CM 16.1 -16.4
		NITI AYOJ		CM 16.1 -16.4
		HEALTH SECTOR PLANNING		CM 16.1 -16.4
		FIVE YEAR PLANS	TWELFTH FIVE YEAR PLAN 2012-2017	CM 16.1 -16.4
		HEALTH SYSTEM IN INDIA	I - AT THE CENTRE	CM 16.1 -16.4
			II - AT THE STATE	CM 16.1 -16.4
			III - AT THE DISTRICT LEVEL	CM 16.1 -16.4
		PANCHAYATI RAJ	AT THE VILLAGE LEVEL	CM 16.1 -16.4

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22	HEALTH CARE OF THE COMMUNITY	RURAL DEVELOPMENT	AT THE BLOCK LEVEL	CM 16.1 -16.4
			AT THE DISTRICT LEVEL	CM 16.1 -16.4
			COMMUNITY DEVELOPMENT PROGRAMME	CM 16.1 -16.4
			INTEGRATED RURAL DEVELOPMENT PROGRAMME	CM 16.1 -16.4
			THE VILLAGE LEVEL WORKER	CM 16.1 -16.4
		EVALUATION OF HEALTH SERVICES		CM 16.1 -16.4
		HISTORY OF PUBLIC HEALTH IN INDIA		CM 16.1 -16.4
		LEVELS OF HEALTH CARE	PRIMARY	CM 17.1 - 17.5
			SECONDARY	CM 17.1 - 17.5
			TERTIARY	CM 17.1 - 17.5
		HEALTH FOR ALL	NATIONAL STRATEGY FOR HFA 2000	CM 17.1 - 17.5
		MILLENIUM DEVELOPMENT GOALS		CM 17.1 - 17.5
		THE SUSUTAINABLE DEVELOPMENT GOALS		CM 17.1 - 17.5
		HEALTH CARE DELIVERY		CM 17.1 - 17.5
		HEALTH STATUS AND HEALTH PROBLEMS	COMMUNICABLE DISEASE PROBLEMS	CM 17.1 - 17.5
			NON-COMMUNICABLE DISEASES	CM 17.1 - 17.5
			NUTRITIONAL PROBLEMS	CM 17.1 - 17.5
			ENVIRONMENTAL SANITATION	CM 17.1 - 17.5
			MEDICAL CARE PROBLEMS	CM 17.1 - 17.5
			POPULATION PROBLEMS	CM 17.1 - 17.5
		RESOURCES	HEALTH MANPOWER	CM 17.1 - 17.5
			MONEY AND MATERIAL	CM 17.1 - 17.5
			TIME	CM 17.1 - 17.5
		HEALTH CARE SERVICES		CM 17.1 - 17.5
		HEALTH CARE SYSTEM		CM 17.1 - 17.5

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23	INTERNATIONAL HEALTH	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
		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

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

SN	Teaching Title	SLO	CC	Competancy	TM
EPIDEMIOLOGY					
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
NON - COMMUNICABLE DISEASES					
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
MATERNAL & CHILD HEALTH					
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
HEALTH PLANNING					
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
HEALTH CARE DELIVERY					
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
FAMILY PLANNING & DEMOGRAPHY					
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
SOCIAL SCIENCES					
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
NATIONAL HEALTH PROGRAMS					
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
BIOSTATISTICS					
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



Mahatma Gandhi Mission's
MEDICAL COLLEGE

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)

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
TOTAL	550		200	325		100

FINAL MARK LIST (MAX. MARKS)

University Exam		Internal Assessment	
Theory	Practical	Theory	Practical
200	100	200	100

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

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

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 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



MGM INSTITUTE OF HEALTH SCIENCES

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

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