



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-42/2022, Dated 26/04/2022

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. 3.36], [Resolution No. 3.36], [Resolution No. 3.36], Dated 26/04/2022. (incorporated at the end of syllabus).



Mahatma Gandhi Mission's

MEDICAL COLLEGE

Department of Community Medicine

PHASE – II Second Professional

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

Assessment (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	
TOTAL		150		100

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



Mahatma Gandhi Mission's
MEDICAL COLLEGE
Department of Community Medicine

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

Assessment 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	
TOTAL	150		100	
PRELIMS	200		100	

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



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



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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 <div> Number of competencies: (05) Number of procedures that require certification: (NIL) </div>									
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 <div> Number of competencies: (04) Number of procedures that require certification: (NIL) </div>									
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 Number of competencies: (04) Number of procedures that require certification: (NIL)									
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 Number of competencies: (03) Number of procedures that require certification: (NIL)									
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 Number of competencies: (03) Number of procedures that require certification: (NIL)									
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	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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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 EPIDEMIOLOGY		CM 7.5
			CASE CONTROL STUDIES	CM 7.5
			COHORT STUDIES	CM 7.5
		EXPERIMENTAL EPIDEMIOLOGY		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 EPIDEMIOLOGY		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 DISEASE	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
			INTERRUPTION 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	
		INVESTIGATION OF EPIDEMIC		CM 7.2
			VERIFICATION OF DIAGNOSIS	CM 7.2
			CONFIRMATION OF THE EXISTENCE OF	CM 7.2
			EPIDEMIC	
			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
		ARTHROPOD BORNE INFECTION	ASCARIASIS	CM 8.1, 8.3 - 8.6, 3.2
			HOOKWORM INFECTION	CM 8.1, 8.3 - 8.6, 3.2
			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	
			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
			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 OBESITY	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
			EPIDEMIOLOGICAL 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
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
				CM 17.4
				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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			SCOPE OF FAMILY PLANNING SERVICES	CM 9.1 - 9.7, 10,6, 10.7
			HEALTH ASPECTS OF FAMILY PLANNING	CM 9.1 - 9.7, 10,6, 10.7
			THE WELFARE CONCEPT	CM 9.1 - 9.7, 10,6, 10.7
			SMALL-FAMILY NORM	CM 9.1 - 9.7, 10,6, 10.7
			ELIGIBLE COUPLES	CM 9.1 - 9.7, 10,6, 10.7
			TARGET COUPLES	CM 9.1 - 9.7, 10,6, 10.7
			COUPLE PROTECTION RATE	CM 9.1 - 9.7, 10,6, 10.7
		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
			BARRIER METHODS	CM 9.1 - 9.7, 10,6, 10.7
			PHYSICAL METHODS	CM 9.1 - 9.7, 10,6, 10.7
			CHEMICAL METHODS	CM 9.1 - 9.7, 10,6, 10.7
			COMBINED METHODS	CM 9.1 - 9.7, 10,6, 10.7
			INTRA-UTERINE DEVICES	CM 9.1 - 9.7, 10,6, 10.7

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			HORMONAL METHODS	CM 9.1 - 9.7, 10,6, 10.7
			POSTCONCEPTIONAL METHODS	CM 9.1 - 9.7, 10,6, 10.7
			MISCELLANEOUS	CM 9.1 - 9.7, 10,6, 10.7
			TERMINAL METHODS	CM 9.1 - 9.7, 10,6, 10.7
			MALE STERILIZATION	CM 9.1 - 9.7, 10,6, 10.7
			FEMALE STERILIZATION	CM 9.1 - 9.7, 10,6, 10.7
		DELIVERY SYSTEM		CM 9.1 - 9.7, 10,6, 10.7
		SOCIOLOGY OF FAMILY PLANNING		CM 9.1 - 9.7, 10,6, 10.7
		VOLUNTARY ORGANIZATIONS		CM 9.1 - 9.7, 10,6, 10.7
		NATIONAL FAMILY WELFARE PROGRAMME		CM 9.1 - 9.7, 10,6, 10.7
		EVALUATION OF FAMILY PLANNING		CM 9.1 - 9.7, 10,6, 10.7
10	PREVENTIVE MEDICINE IN OBSTETRICS, PAEDIATRICS AND GERIATRICS		MOTHER AND CHILD	CM 10.1 - 10.5, 10.8, 10.9
			PREVENTIVE PAEDIATRICS	CM 10.1 - 10.5, 10.8, 10.9

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			SOCIAL PAEDIATRICS	CM 10.1 - 10.5, 10.8, 10.9
			MATERNITY CYCLE	CM 10.1 - 10.5, 10.8, 10.9
			MCH PROBLEMS	CM 10.1 - 10.5, 10.8, 10.9
			MATERNAL AND CHILD HEALTH	CM 10.1 - 10.5, 10.8, 10.9
			PREGNANCY DETECTION	CM 10.1 - 10.5, 10.8, 10.9
		ANTENATAL CARE	OBJECTIVES	CM 10.1 - 10.5, 10.8, 10.9
			ANTENATAL VISITS	CM 10.1 - 10.5, 10.8, 10.9
			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
			INSTITUTIONAL CARE	CM 10.1 - 10.5, 10.8, 10.9

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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		LOW BIRTH WEIGHT		CM 10.1 - 10.5, 10.8, 10.9
		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
		INTEGRATED MANAGEMENT OF CHILDHOOD ILLNESS		CM 10.1 - 10.5, 10.8, 10.9

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
11	NUTRITION AND HEALTH	SOCIAL WELFARE PROGRAMMES		CM 10.1 - 10.5, 10.8, 10.9
		PREVENTIVE MEDICINE AND GERIATRICS		CM 12.1 - 12.3
		CLASSIFICATION OF FOODS		CM 5.1
		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
		NUTRITIONAL PROFILES OF PRINCIPAL FOODS		CM 5.1
		NUTRITIONAL REQUIREMENTS		CM 5.1
		REFERENCE BODY WEIGHTS		CM 5.1
		ENERGY		CM 5.1
		NUTRITIONAL PROBLEMS IN PUBLIC HEALTH		CM 5.3
		NUTRITIONAL FACTORS IN SELECTED DISEASES	CARDIVASCULAR DISEASE	CM 5.3
			DIABETES	CM 5.3
			OBESITY	CM 5.3
			CANCER	CM 5.3
		ASSESSMENT OF NUTRITIONAL STATUS	CLINICAL EXAMINATION	CM 5.2
			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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
12	MEDICINE AND SOCIAL SCIENCES	NUTRITIONAL SURVEILLANCE SOCIAL ASPECTS OF NUTRITION FOOD SURVEILLANCE COMMUNITY NUTRITION PROGRAMMES	ECOLOGICAL STUDIES	CM 5.2
				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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
			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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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
			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
15	DISASTER MANAGEMENT		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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
		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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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 DEVELOPMENTPROGRAMME	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

SN	TOPIC HEAD	TOPIC	SUB TOPIC	COMPETENCY
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		

SNO	Teaching Title	SLO	CC	Competency	TM
1	Infectious Disease Epidemiology	1. Define Epidemiology, its triad 2. Explain endemic, epidemic, 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	SGT 01
2	Small Pox. Chickenpox	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	L 01
3	Influenza	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	SGT 02
4	SARS	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	SGT 03
5	Measles	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	L 02
6	Mumps, Rubella	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	SGT 04
7	Diphtheria, Pertussis, Tetanus	1. Describe Epidemiology of Diphtheria, Pertussis 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	SGT 05
8	Acute Diarrhoeal Diseases. Cholera.	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	L 03
9	Typhoid. Salmonellosis.	1. Describe Epidemiology of Salmonellosis 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	SGT 06
10	Food Poisoning	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	SGT 07
11	Tuberculosis Epidemiology	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	L 04
12	Meningococcal Meningitis	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	SGT 08
13	Acute Respiratory Infections	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	SGT 09
14	Tuberculosis Elimination	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	L 05
15	STD. Yaws	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	SGT 10
16	Syndromic Approach	1. To understand the problems with classical approaches for treating STI 2. Identify Main features 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	SGT 11
17	Viral Hepatitis	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	L 06

SNO	Teaching Title	SLO	CC	Competency	TM
18	Lymphatic Filariasis	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	SGT 12
19	Leprosy	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	SGT 13
20	Poliomyelitis	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	L 07
21	Yellow Fever. JE.	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	SGT 14
22	Nipah Virus. KFD.	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	SGT 15
23	HIV/ AIDS	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	L 08
24	Chikungunya. Leptospirosis	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	SGT 16
25	Brucellosis. Plague.	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	SGT 17
26	Malaria.	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	L 09
27	Dracunculiasis. Trachoma	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	SGT 18
28	Leishmaniasis	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	SGT 19
29	Dengue, Zika Virus Disease	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	L 10
30	New Infectious Diseases	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	SGT 20
31	Hospital Acquired Infections	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	SGT 21
32	Rabies	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	L 11
33	Amoebiasis. Ascariasis. Hookworm.	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	SDL 01
34	Taeniasis. Hydatid Disease	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	SDL 02

SNO	Teaching Title	SLO	CC	Competency	TM
35	Nutritional Problems in Public Health	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	Assessment of Nutritional Status	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	Nutritional surveillance & Growth Monitoring	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	Food Borne Diseases	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	Food Surveillance	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	Food Additives & Food Fortification	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	Nutritional Factors in Selected Diseases	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	Social aspects of Nutrition	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	Ecology of Malnutrition	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	Community Nutrition Programmes	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	Monitoring & Evaluation of Nutrition Programme	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	CC	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	CM5.6	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	CM10.6	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 contraceptions 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 Airpollutants 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. Pnuemoconiasis.	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 Airpollutants 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



Mahatma Gandhi Mission's
MEDICAL COLLEGE

Department of Community Medicine

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

Assessment (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	
TOTAL	150		100	

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

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

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



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