



Department of Community Medicine

Undergraduate Training Programme, Cohort of 2019 batch

Induction program (8 hours exposure)

Topic	Competency	Objectives	Teaching learning methods		Assessment	
			Lecture	Visit	Formative	Summative
Health care of the community	CM 17.5	17.5.2	Brief instructions	SC, PHC, CHC, Anganwadi centre (AWW)	Record review and feedback on observations	-

I year MBBS Time Table - (September 2019 to June 2020): 44 hours exposure, 8.30 to 10.30 am

Date	Topic	Competency	Objectives	TL Methods		Integration	
				Lecture	Demo	Horizontal	Vertical
14-09-2019	Concept of health and disease	CM 1.2	1.2.1- 1.2.2	√	Film		
28-09-2019	Concept of health and disease	CM 1.9	1.9.1-1.9.2	√	√		
12-10-2019	Concept of health and disease	CM 1.10	1.10.1	√	√		
26-10-2019	AETCOM						
09-11-2019	AETCOM						
23-11-2019	Concept of health and disease	CM 1.6	1.6.1-1.6.6	√	Demo on health education		
14-12-2019	Concept of health and disease	CM 1.6, 4.3	1.6.7-1.6.9	√	Demo on		

Please refer to Annexure-1 for objective/s

					health education		
28-12-2019	Hospital waste management	CM 14.1	14.1.1-14.1.3	√	Hospital visit	Microbiology	
11-01-2020	Hospital waste management	CM 14.2	14.2.1-14.2.3	√	Site visit	Microbiology	
25-01-2020	Hospital waste management	CM 14.3	14.3.1-14.3.2	√	Case study (SD)		
08-02-2020	Disaster management	CM 13.1 CM 13.2	13.1.1-13.1.3 13.2.1-13.2.3	√			General Surgery General Medicine
22-02-2020	Disaster management	CM 13.3	13.3.1-13.1.2	√	Case study (SD)		General Surgery
29-02-2020	Disaster management	CM 13.4	13.4.1-13.4.2	√	Case study (SD)		General Medicine
14-03-2020	Biostatistics and its application	CM 6.1	6.1.1-6.1.5	√	Exercise		
28-03-2020	Biostatistics and its application	CM 6.4	6.4.1-6.4.6	√	Exercise		
11-04-2020	Biostatistics and its application (ICMR-STs)	CM 6.4	6.4.1-6.4.6				
25-04-2020	Nutrition – Macro and Micro nutrients	CM5.1	5.1.1-5.1.5				
09-05-2020	Sociology – basic terms	CM2.2	2.2.1-2.2.3				
23-05-2020	Environment and health	CM3.1	3.1.1 -3.1.3				
30-05-2020	Epidemiology –basic term	CM7.1	7.1.1-7.1.4				
13-06-2020	Demography – status of health indicators in India	CM9.1	9.1.1-9.1.4				
27-06-2020	Acts – MTP, PNDT and Human organ transplantation act	CM20.1	20.1. 1-20.1.2				

Please refer to Annexure-1 for objective/s

II year MBBS: Lecture Time Table - (October 2020 to February 2021): Tuesday, 3.30 to 4.30 pm

Date	Topic	Competency	Objectives
Epidemiology of Communicable Diseases – Respiratory Infections			
6-10-20	Introduction: Epidemiology of Communicable diseases	CM 8.1	8.1.1 to 8.1.4 for the given condition
13-10-20	Smallpox, Chickenpox,		
20-10-20	Measles, Mumps, Rubella		
27-10-20	Diphtheria, Whooping cough, ARI		
3-11-20	Tuberculosis		
Intestinal Infections			
10-11-20	Poliomyelitis	CM 8.1	8.1.1 to 8.1.4 for the given condition
17-11-20	Viral Hepatitis		
24-11-20	Acute diarrheal diseases and Cholera		
1-12-20	Typhoid fever		
8-12-20	Food poisoning		
Arthropod borne infections			
15-12-20	Dengue fever and DHF	CM 8.1	8.1.1 to 8.1.4 for the given condition
22-12-20	Malaria		
29-12-20	Filaria		
Zoonosis			
5-1-21	Rabies	CM 8.1	8.1.1 to 8.1.4 for the given condition
12-1-21	Yellow Fever		
19-1-21	Leptospirosis		
26-1-21	Plague		
2-2-21	Scrub Typhus		
Surface infections			
9-2-21	Leprosy	CM 8.1	8.1.1 to 8.1.4 for the given condition
16-2-21	AIDS		
23-2-21	Tetanus		

Please refer to Annexure-1 for objective/s

II year MBBS Time Table: SGT/IL/Tu/SDL/Pr - Time Table (March 2021 to July 2021): Monday, 3.30 to 4.30 pm

Date	Topic	Competency	Objectives	Type	Horizontal	Vertical
Integrated Teaching Sessions						
1-3-21	Prevention and control of Tuberculosis	CM 8.1	8.1.4	IL	-	Pulmonary Medicine
8-3-21	Prevention and control of ARI					Paediatrics
15-3-21	Prevention and control of Typhoid					Microbiology
22-3-21	Prevention and control of Dengue					Microbiology
29-3-21	Prevention and control of Rabies					Microbiology
5-4-21	Prevention and control of AIDS					Dermatology
12-4-21	Prevention and control of Leprosy					Dermatology
Self-directed Learning						
19-4-21	Influenza, SARS	CM 8.1	8.1.4	SDL	-	-
26-4-21	Zika Virus Disease					
3-5-21	KFD					
10-5-21	Rickettsial Zoonosis					
17-5-21	Dracunculiasis					
Integrated Teaching Sessions						
24-5-21	Cardio-vascular disease – CHD	CM 8.2	8.1.4 for each of the given condition	IL		Medicine
7-6-21	Hypertension				Medicine	
14-6-21	Diabetes				Medicine	
21-6-21	Obesity				Medicine	
28-6-21	Stroke				Medicine, Physiotherapy	
5-7-21	Rheumatic Heart Disease				Medicine	
12-7-21	Blindness				Ophthalmology	-
19-7-21	Accident and injuries				Surgery/Ortho	
26-7-21	Cancer				OBG	

Please refer to Annexure-1 for objective/s

II year MBBS Time Table: SGT/IL/Tu/SDL/Pr - Time Table (March 2021 to July 2021): Saturday, 8.30 to 10.30 pm

Date	Topic	Competency	Objectives	Type	Horizontal	Vertical
13-3-21	Immunization programme - Vaccine Schedule	CM 8.1	8.1.4	Practical with Spotters	District Health System	Pediatrics
27-3-21	Cold Chain System					
10-4-21	Planning for immunization session			SGT	PHC, MO	
Environmental Health Problems						
24-4-21	Air, water, noise, radiation	CM 3.1	3.1.1-3.1.3	Practical with spotters Museum visit	-	-
8-5-21	Waste disposal	CM 3.4	3.4.1-3.4.4			
22-5-21	Housing standards and its effect on health	CM 3.5	3.5.1-3.5.3			
29-5-21	Insecticides and Rodenticides	CM 3.8	3.8.1-3.8.3			
Nutrition						
12-6-21	Nutrition assessment of Individual, Family and Community – Plan a diet	CM 5.1, 5.2 and 5.4		Demonstration	-	-
26-6-21	Micronutrients (Iodine, Fe, Folic Acid, Zn, Vitamin A)	CM 5.3		Practical with spotters	-	-
10-7-21	Assessment of Malnutrition	CM 5.5		Demonstration	-	Pediatrics
24-7-21	Assessment of Obesity	CM 8.2 and 5.5		Demonstration	-	Medicine
31-7-21	Food fortification, food adulteration and food hygiene	CM 5.7 and 5.8		Demonstration	-	-

Please refer to Annexure-1 for objective/s

III year MBBS: Lecture Time Table - (October 2021 to February 2022): Wed and Thurs, 9.30 to 10.30 am

Date	Topic	Competency	Objectives
Concept of health and disease			
6-10-21	Concept of Public Health, PSM, Community Medicine and Family Medicine	CM 1.1 CM 1.2	1.1.1-1.1.2 1.2.1-1.2.5
7-10-21	Natural history of disease	CM 1.3	1.3.1-1.3.2
13-10-21	Levels of prevention	CM 1.5	1.5.1-1.5.4
Relationship of social and behavioural issues to health and disease			
14-10-21	Concepts in Sociology	CM 2.1, 2.2	2.1.1-2.1.1 2.2.1-2.2.3
20-10-21	Psychology	CM 2.3, 2.4	2.3.1-2.3.2 2.4.1-2.4.2
21-10-21	Socio-cultural factors in health and disease	CM 2.5	2.5.1-2.5.2
Environmental Health Problems			
27-10-21	Air, water, noise, heat, radiation	CM 3.1	3.1.1-3.1.3
28-10-21	Water – Quality, Purification and Standards	CM 3.2	3.2.1-3.2.4
3-11-21	Waste disposal – Solid and liquid	CM 3.4	3.4.1-3.4.4
4-11-21	Vector born diseases – Malaria	CM 3.6	3.6.1-3.6.3
10-11-21	Vector born diseases – Filariasis		
11-11-21	Vector born diseases – Dengue		
17-11-21	Housing standards and its effect on health	CM 3.5	3.5.1-3.5.3
18-11-21	Insecticides and Rodenticides	CM 3.7,3.8	3.7.1-3.7.3 3.8.1-3.8.3
Nutrition			
24-11-21	Common sources of nutrients – basic concepts	CM5.1	5.1.1-5.1.4
25-11-21	Micronutrients and its deficiency – Iron and Iodine	CM5.3	5.3.1-5.3.5
1-12-21	Micronutrients and its deficiency – Vitamin A and D		
2-12-21	Protein Energy Malnutrition, growth monitoring	CM5.5	5.5.1-5.5.5
8-12-21	Nutrition Surveillance and Monitoring		

Please refer to Annexure-1 for objective/s

Principles of health promotion and education			
9-12-21	Concepts of health education, health promotion, IEC and Behaviour Change Communication	CM.1.6	1.6.1-1.6.5
15-12-21	Methods of health education – advantages and limitations	CM 4.1	4.1.1-4.1.4
Demography			
16-12-21	Demography, Demographic cycle	CM 9.1	9.1.1-9.1.4
22-12-21	Indicators of fertility	CM 9.2	9.2.1-9.2.2
23-12-21	Sex ratio in India – Reasons and consequences, PNDT act (gender issues and women empowerment)	CM9.3, CM10.8	9.3.1-9.3.4 10.8.1-10.8.4
29-12-21	National Population Policy	CM9.6	9.6.1-9.6.4
30-12-21	Sources of Vital Statistics – CRS, SRS, Census	CM9.7	9.7.1-9.7.4
Reproductive Maternal and Child Health			
5-1-22	Indicators of MCH and current status	CM 10.1	10.1.1-10.1.2
6-1-22	Screening for High risk pregnancy	CM 10.2	10.2.1-10.2.4
12-1-22	New born care and Post natal care	CM 10.4	10.4.1-10.4.4
13-1-22	Local customs and practices during pregnancy, childbirth and lactation	CM 10.3	10.3.1-10.3.3
19-1-22	Universal Immunization Programme	CM 10.5	10.5.1-10.5.6
20-1-22	Family Planning Methods – advantages and shortcomings, MTP act	CM 10.6	10.6.1-10.6.4
26-1-22	Adolescent and School Health	CM 10.8	10.8.1-10.8.4
Geriatric Health			
27-1-22	Denfine the concepts of geriatric services,health problems of old people	CM 12.1, 12.2	12.1.1-12.1.2 12.2.1
2-2-22	National old age programme and policies	CM 12.3, 12.4	12.3.1, 12.4.1
Mental Health			
3-2-22	Define , describe the concept of mental health and early warning signals	CM 15.1, 15.2	15.1.1-15.1.2 15.2.1-15.2.3
9-2-22	National Mental Health Programme	CM 15.3	15.3.1
Occupational Health			
10-2-22	Occupational exposure and illnesses (including agriculture)	CM 11.1	11.1.1-11.1.3
16-2-22	Prevention of occupational illnesses, Ergonomics and ESI scheme	CM 11.2, 11.3, 11.4	11.2.1-11.2.3 11.3.1-11.3.3

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			11.4.1-11.4.3
17-2-22	Occupational problems of health professionals and prevention		
Disaster Management			
23-2-22	Concept of disaster management and Disaster management cycle	CM 13.1, 13.2	13.1.1-13.1.3 13.2.1-13.2.3
24-2-22	Man-made disaster, National disaster management authority	CM 13.3, 13.4	13.3.1-13.3.3 13.4.1-13.4.2
Hospital Waste Management			
2-3-22	Hospital waste management	CM 14.1-14.3	14.1.1-14.1.3 14.2.1-14.2.3 14.3.1-14.3.2
Health Planning and Management			
3-3-22	Concept of health planning, planning cycle and health planning in Indis	CM 16.1, 16.2, 16.4	16.1.1-16.1.3 16.2.1-16.2.3 16.4.1-16.4.4
9-3-22	(Leadership) and management techniques	CM 16.3	16.3.1-16.3.3
Health Care of the Community			
10-3-22	Community diagnosis	CM 17.1, 17.2	17.1.1-17.1.3 17.2.1-17.2.3
16-3-22	Health care delivery in India, Sustainable Development Goals (SDG)	CM 17.3-17.5	17.3.1-17.3.3 17.4.1-17.4.2 17.5.1-17.5.4
International Health			
17-3-22	Concept of International Health and International Health Agencies	CM 18.1-18.2	18.1.1-18.1.3 18.2.1-18.2.2
Essential Medicine			
23-3-22	Concept of essential medicine list, counterfeit medicine and its prevention	CM 19.1-19.3	19.1.1-19.1.4 19.2.1-19.2.2 19.3.1-19.3.3
Recent advances in Community Medicine			

Please refer to Annexure-1 for objective/s

24-3-22	Outbreak investigation – Steps, issues and its management	CM 20.2	20.2.1-20.2.2
30-3-22	Clinical establishment act, Human organ transplantation act	CM 20.4	20.4.1-20.4.6
31-3-22	World Health Day celebrations	CM 20.1	20.1.1-20.1.2

III year MBBS Time Table: SGT/IL/Tu/SDL/Pr - (October 2021 to March 2022): Tuesday, 2.30 to 4.30 pm

Date	Topic	Competency	Objectives	Type	Horizontal	Vertical	
Epidemiology							
5-9-21	Introduction to epidemiology	CM 7.1	7.1.1-7.1.4	IL		General Medicine	
12-9-21	Mortality measures	CM 7.3	7.3.1-7.3.2				
19-9-21	Morbidity measures	CM 7.4	7.4.1-7.4.5				
26-9-21	Other epidemiological measurements						
2-10-21	Descriptive epidemiology	CM 7.5	7.5.1-7.5.3				
9-10-21	Investigation of epidemic	CM 7.7	7.7.1-7.7.4		Microbiology		
16-10-21	Tutor Marked Assignment-1	CM 7.1, 7.3, 7.4, 7.5, 7.7	-				
23-10-21	Experimental design	CM 7.5	7.5.1-7.5.4				General Medicine
30-10-21	Cohort design						
2-11-21	Case-control design						
9-11-21	Cross-sectional, ecological, case series						
16-11-21	Study designs-revisit and computers in epidemiology	CM 7.9	7.9.1-7.9.5				
23-11-21	Association, causation, and bias	CM 7.8	7.8.1-7.8.5				General Medicine
30-11-21	Tutor Marked Assignment-2	CM 7.5, 7.8, 7.9	-				

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Biostatistics						
7-12-21	Biostatistics and its application	CM 6.1	6.1.1-6.1.5		Exercise	Gen Medicine
14-12-21	Biostatistics and its application	CM 6.4	6.4.1-6.4.6		Exercise	
21-12-21	Biostatistics and its application	CM 6.2	6.2.3-6.2.7		Exercise	
28-12-21	Biostatistics and its application	CM 6.4	6.4.6-6.4.8		Exercise	
4-1-22	Biostatistics and its application	CM 6.4	6.4.9-6.4.10		Exercise	
11-1-22	Biostatistics and its application	CM 6.2	6.2.8-6.2.9		Exercise	
18-1-22	Biostatistics and its application	CM 6.3	6.3.1-6.3.2		Exercise	
25-1-22	Biostatistics and its application	CM 6.3	6.3.3-6.3.3		Exercise	
Clinical epidemiology and screening						
1-2-22	Clinical epidemiology	CM7.6	CM7.6.1-7.6.6		-	Gen Medicine
8-2-22	Concept of screening	CM7.6			Exercise	
15-2-22	Criteria for screening/uses	CM7.6			Exercise	
22-2-22	Sensitivity and specificity	CM7.6			Exercise	
Epidemiology – Computer Skills						
1-3-22	Application of softwares in Public health – Epi_Info - sample size and sampling	CM7.9	CM7.9.1-7.9.5	Demo	-	-
8-3-22	Application of softwares in Public health – Epi_Info – basic analysis	CM7.9		Demo	-	-

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III year MBBS Time Table: SGT/IL/Tu/SDL/Pr - (April 2022 to August 2022): Tuesday, 2.30 to 4.30 pm (Seminars and IL

Date	Topic	Competency	Horizontal	Vertical
5-4-22	Disaster Management	13.1-13.4	FM	
12-4-22	Hospital Waste Management	14.1-14.3		Microbiology
19-4-22	Respiratory Infections	CM8.1		
26-4-22	Respiratory Infections	CM8.1		
3-5-22	Intestinal Infections	CM8.1		
10-5-22	Intestinal Infections	CM8.1		
17-5-22	<i>RNTCP</i>	CM8.1		
24-5-22	<i>IMNCI</i>	CM8.1, CM10.5		
31-5-22	Arthropod borne infections	CM8.1		
7-6-22	Arthropod borne infections	CM8.1		
14-6-22	<i>NVBDCP</i>	CM8.1		
21-6-22	Zoonosis	CM8.1		
28-6-22	Zoonosis	CM8.1		
5-7-22	Surface infections	CM8.1		
12-7-22	<i>NACP</i>	CM8.1		
19-7-22	NCDs – HT, DM, Cancer	CM8.2		
26-7-22	<i>Programmes for control of NCDs</i>	CM8.2		
2-8-22	Blindness Control Programme	CM8.2	Ophthalmology	
9-8-22	Nutrition	CM5.1-5.5, 57.-5.8		GM, Pediatrics
16-8-22	<i>ICDS, Mid-day Meals Programme</i>	CM5.6		GM, Pediatrics
23-8-22	Cold chain system and Immunization	CM10.4		Pediatrics
30-8-22	Environment and health	CM3.1-3.8		ENT, GM, Microbiology

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Annexure-1

Department of Community Medicine: Competencies and Objectives

Number	Competency	Objectives
Concept of Health and Disease		
CM1.1	Define and describe the concept of Public Health	<ol style="list-style-type: none"> 1. Define Public Health 2. Discuss the changing concepts of Public Health
CM1.2	Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health	<ol style="list-style-type: none"> 1. Define health 2. Describe the dimensions of health 3. Define standard of living, level of living and quality of life 4. Explain physical quality of life index and human development index 5. Explain the determinants of health
CM1.3	Describe the characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease	<ol style="list-style-type: none"> 1. Draw and explain an epidemiological triad with an example 2. Describe the characteristics of agent, host and environmental factors in health and disease
CM1.4	Describe and discuss the natural history of disease	<ol style="list-style-type: none"> 1. Discuss the natural history of disease with an illustration
CM1.5	Describe the application of interventions at various levels of prevention	<ol style="list-style-type: none"> 1. Discuss the various levels of prevention with an example for each 2. Define an intervention 3. Enlist the modes of intervention 4. Explain the modes of intervention with an example
CM1.6	Describe and discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	<ol style="list-style-type: none"> 1. Define health education, IEC, BCC 2. Discuss the principles of health education 3. Describe the models of health education with examples 4. Explain the approaches of health education 5. List the barriers of health education
CM1.7	Enumerate and describe health indicators	<ol style="list-style-type: none"> 1. Mention the uses of health indicators 2. List the characteristics of a an indicator 3. Enumerate the health indicators 4. Describe the health indicators

Please refer to Annexure-1 for objective/s

CM1.8	Describe the Demographic profile of India and discuss its impact on health	1. Describe the Demographic profile of India 2. Discuss the impact of Demographic profile on health
CM1.9	Demonstrate the role of effective Communication skills in health in a simulated environment	3. Explain the levels of communication in a doctor-patient relationship 4. Demonstrate effective communication skills in health in a simulated environment
CM1.10	Demonstrate the important aspects of the doctor patient relationship in a simulated environment	1. Demonstrate good doctor patient relationship in a simulated environment
Relationship of social and behavioural to health and disease		
CM2.1	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community	1. Describe the steps in clinico socio-cultural and demographic assessment of the individual, family and community 2. Demonstrate the steps in clinico socio-cultural and demographic assessment of the individual, family and community
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	1. Describe the socio-cultural factors, family (types), its role in health and disease 2. Demonstrate the socio-cultural factors, family (types), its role in health and disease in a simulated environment 3. Demonstrate the assessment of socio-economic status correctly in a simulated environment
CM2.3	Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior	1. Describe in a simulated environment the assessment of barriers to good health and health seeking behaviour 2. Demonstrate the assessment of barriers to good health and health seeking behaviour in a simulated environment
CM2.4	Describe social psychology, community behaviour and community relationship and their impact on health and disease	1. Describe social psychology, community behaviour and community relationship 2. Describe the impact of social psychology, community behaviour and community relationship health and disease
CM2.5	Describe poverty and social security measures and its relationship to health and disease	1. Describe poverty and social security measures 2. Describe the relationship of poverty and social security measures to health and disease
Environmental Health Problems		
CM3.1	Describe the health hazards of air, water, noise,	At the end of the class, students should be able to

Please refer to Annexure-1 for objective/s

	radiation and pollution	<ol style="list-style-type: none"> 1. Describe the various health hazards caused by pollution of air, water and soil as well as those due to noise and radiation 2. Discuss the ways to prevent various environmental pollution 3. Interpret the various pollution related indices and their importance to public health
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	<ol style="list-style-type: none"> 1. Describe the concepts of safe and wholesome water 2. Discuss various sanitary sources of water and water purification processes 3. Illustrate the various methods of water conservation and rainwater harvesting
CM3.3	Describe the aetiology and basis of water borne diseases /jaundice/hepatitis/ diarrheal diseases	<ol style="list-style-type: none"> 1. Describe the aetiology of various water borne diseases 2. Discuss the epidemiology and preventive measures of water borne diseases / jaundice /hepatitis/diarrheal diseases 3. Explain various treatment and preventive measures to combat these diseases
CM3.4	Describe the concept of solid waste, human excreta and sewage disposal	<ol style="list-style-type: none"> 1. List the types of solid waste and the hazards due to each type. 2. Describe various scientific methods of sewage/liquid waste and solid waste disposal 3. Discuss hazards due to human excreta and open defaecation 4. Explain the principles behind functioning of sanitary latrines and other methods of human excreta disposal
CM3.5	Describe the standards of housing and the effect of housing on health	<ol style="list-style-type: none"> 1. Describe the factors determining environmental health related to housing 2. Discuss housing standards 3. Interpret the effects of abnormalities in housing on health
CM3.6	Describe the role of vectors in the causation of diseases. Also discuss National Vector Borne disease Control Program	<ol style="list-style-type: none"> 1. Describe the role of various vectors in the causation of diseases 2. Discuss on various aspects of National Vector Borne Disease Control Program 3. Interpret the various indices used in vector control
CM3.7	Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures	<ol style="list-style-type: none"> 1. Identify various vectors of public health importance 2. Describe their identifying features and salient features of their life cycles

Please refer to Annexure-1 for objective/s

		3. Discuss various control measures available for specific vectors
CM3.8	Describe the mode of action, application cycle of commonly used insecticides and rodenticides	<ol style="list-style-type: none"> 1. List various insecticides and rodenticides with respect to insects and rodents of public health importance 2. Describe the mode of action of various insecticides and rodenticides 3. Explain the methods of application of these rodenticides and insecticides safely to prevent zoonotic diseases and agricultural as well as domestic loss
Principles of health promotion and education		
CM4.1	Describe various methods of health education with their advantages and limitations	<ol style="list-style-type: none"> 1. Define health education 2. Describe the various methods of health education 3. Describe the advantages and limitations of each health education method 4. Identify the appropriate health education method for individual, group and mass approach
CM4.2	Describe the methods of organizing health promotion and education and counseling activities at Individual, family and community settings	<ol style="list-style-type: none"> 1. List the methods in health communication 2. Describe the methods of organizing health promotion and education and counseling activities at Individual, family and community settings 3. Plan a health education session at Individual, family and community settings by selecting appropriate methods
CM4.3	Demonstrate and describe the steps in evaluation of health promotion and education program	<ol style="list-style-type: none"> 1. 1.Enumerate the steps in evaluation of health education program 2. 2.Describe the steps in evaluation of health education program 3. 3.Demonstrate the steps in evaluation of health promotion program
Nutrition		
CM5.1	Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity and physiological conditions	<ol style="list-style-type: none"> 1. Define nutrition 2. Describe the common sources of various nutrients 3. Describe the special nutritional requirements according to age, sex, activity and physiological conditions 4. Calculate the calorie requirement of an individual based on age, gender and occupation
CM5.2	Describe and demonstrate the correct method of performing a nutritional assessment of individuals, families and communities by using	<ol style="list-style-type: none"> 1. List the methods used for nutritional assessment of individuals, families and communities 2. Describe different method of performing nutritional assessment of

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	appropriate methods	<p>individuals, families and communities</p> <ol style="list-style-type: none"> 3. Demonstrate the correct method of performing a nutritional assessment of individuals, families and communities by using appropriate methods
CM5.3	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vitamin A), their control and management	<ol style="list-style-type: none"> 1. Define nutrition, nutrients, macro nutrients and micro nutrients 2. List the common nutrition related health disorders 3. Define low birth weight, Severe Acute Malnutrition, nutritional anemia. 4. Describe the control and management of nutrition related health disorders such as PEM, Iron, Zn, iodine and Vitamin A deficiencies 5. Plot and Interpret a growth chart
CM5.4	Plan and recommend suitable diet for individuals and families based on local availability of foods and economic status, etc in a simulated environment	<ol style="list-style-type: none"> 1. List the factors affecting nutritional status of an individual or families 2. Describe the factors affecting the nutritional status of an individual or families 3. Plan a suitable diet for individuals based on local availability of foods and economic status, etc in a simulated environment 4. Recommend a suitable diet for families based on local availability of foods and economic status, etc in a simulated environment
CM5.5	Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of sociocultural factors	<ol style="list-style-type: none"> 1. Define nutritional surveillance 2. List the indicators used in nutritional surveillance 3. Describe the methods of nutritional surveillance 4. Describe the principles of nutritional education 5. Describe nutritional rehabilitation in the context of sociocultural factors
CM5.6	Enumerate and discuss the national nutritional policy, important nutritional programs including the Integrated Child Development Service Scheme (ICDS) etc	<ol style="list-style-type: none"> 1. Enumerate the important nutritional programs in India 2. Summarize the key features of important nutritional programs 3. Discuss about Integrated Child Development Service Scheme (ICDS), Vit A prophylaxis programme, control of iodine deficiency disorders, mid-day meal program 4. Discuss national nutritional policy
CM5.7	Describe food hygiene	<ol style="list-style-type: none"> 1. Define food hygiene, pasteurization of milk 2. List the food borne diseases 3. Describe milk hygiene and meat hygiene

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		<ol style="list-style-type: none"> 4. Describe food toxicants 5. Plan a health education session for food handlers on personal hygiene and food sanitation
CM5.8	Describe and discuss the importance and methods of food fortification and effects of additives and adulteration	<ol style="list-style-type: none"> 1. Define food fortification, food additives and adulteration of food 2. List some common adulterants 3. Describe the methods of food fortification 4. Discuss the importance of food fortification 5. Discuss the effects of additives and adulteration
Basic statistics and its applications		
CM 6.1	Formulate a research question for a study	<ol style="list-style-type: none"> 1. Define health research 2. Explain health research 3. List the purpose of doing research 4. Differentiate the meaning of research question, objectives and hypothesis 5. Formulate a research question for a given study
CM 6.2	Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	<ol style="list-style-type: none"> 1. Define the terms data, knowledge and intelligence 2. Differentiate the terms data, knowledge and intelligence 3. Describe various methods of data collection 4. List the tools available to enter data 5. Classify study variables with example 6. Explain the process of data entry 7. Use any free software for data entry 8. Describe various methods of pictorial presentation of data 9. Choose appropriate figure to present the result
CM 6.3	Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs	<ol style="list-style-type: none"> 1. Describe test of significance 2. List various tests of significance 3. Choose the appropriate test of significance for the given variable 4. Perform the test of significance and interpret the result (Chi-square test)
CM 6.4	Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods,	<ol style="list-style-type: none"> 1. Define the terms – sample size, sampling 2. Describe the importance of sampling

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	frequency distribution, measures of central tendency and dispersion	<ol style="list-style-type: none"> 3. Calculate sample size 4. List various sampling techniques 5. Explain various sampling techniques 6. Demonstrate common sampling techniques 7. Enumerate and describe the measures of central tendency, uses and limitations 8. Calculate and interpret various measures of central tendency 9. Enumerate and describe the measures of dispersion, uses and limitations 10. Calculate and interpret various measures of dispersion
Epidemiology		
CM 7.1	Define Epidemiology and describe and enumerate the principles, concepts and uses	<ol style="list-style-type: none"> 1. Define the term epidemiology 2. List various components and approaches of epidemiology 3. Describe the aims of epidemiology 4. Enumerate various uses of epidemiology
CM 7.2	Enumerate, describe and discuss the modes of transmission and measures for prevention and control of communicable and non-communicable diseases	<ol style="list-style-type: none"> 1. Define various terms used in infectious diseases epidemiology 2. Describe the dynamics of disease transmission 3. List and explain various modes of disease transmission 4. Describe and discuss with example various methods of disease prevention and control
CM 7.3	Enumerate, describe and discuss the sources of epidemiological data	<ol style="list-style-type: none"> 1. Enumerate the sources of epidemiological data 2. Describe the strengths and limitations of these data
CM 7.4	Define, calculate and interpret morbidity and mortality indicators based on given set of data	<ol style="list-style-type: none"> 1. List the tools of epidemiology 2. Describe various tools with example 3. Enumerate various measurements of epidemiology 4. List and define various mortality and morbidity measurements 5. Calculate and interpret common measures of mortality and morbidity based on the given data
CM 7.5	Enumerate, define, describe and discuss epidemiological study designs	<ol style="list-style-type: none"> 1. Classify epidemiological study designs 2. Describe the steps involved in the common study designs with example 3. Discuss the advantages and disadvantages of each study design 4. Calculate and interpret the measures of strength of association

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CM 7.6	Enumerate and evaluate the need of screening tests	<ol style="list-style-type: none"> 1. Define screening and describe the concept of screening 2. Differentiate screening test and confirmatory test 3. Describe the types of screening 4. List the uses of screening 5. Explain the criteria for screening (for disease and tests) 6. Mention the ways of evaluating screening the test
CM 7.7	Describe and demonstrate the steps in the Investigation of an epidemic of communicable disease and describe the principles of control measures	<ol style="list-style-type: none"> 1. Define epidemic 2. Describe the steps in the investigation of an epidemic of communicable disease 3. Explain the principles of control of epidemics 4. Demonstrate the steps involved in the investigation of an epidemic of communicable disease
CM 7.8	Describe the principles of association, causation and biases in epidemiological studies	<ol style="list-style-type: none"> 1. Differentiate association and causation 2. Describe various types of association with example 3. Define bias in health research 4. List and explain various bias involved in epidemiological study designs with example 5. Enumerate and describe the additional criteria (Hill's criteria) for judging causality
CM 7.9	Describe and demonstrate the application of computers in epidemiology	<ol style="list-style-type: none"> 1. Describe the application of computers in epidemiology 2. Demonstrate the application of computers for data entry 3. Demonstrate the application of computers for data analysis 4. Demonstrate the application of computers for sample size calculation 5. Demonstrate the application of computers for generating random numbers
Epidemiology of Communicable and Non- communicable Diseases		
CM 8.1	Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases	<ol style="list-style-type: none"> 1. Describe the epidemiological triad/determinants of common infectious diseases 2. Discuss the clinical features of communicable diseases 3. Enumerate the clinical and laboratory means of diagnosing the communicable diseases at the primary care level 4. Explain the control measures of communicable diseases at the primary

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		care level
CM 8.2	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.)	<ol style="list-style-type: none"> 1. Describe the epidemiological triad/determinants of common non-communicable diseases (diabetes, Hypertension, Stroke, obesity and cancer etc.) 2. Discuss the clinical features of non-communicable diseases 3. Enumerate the clinical and laboratory means of diagnosing the non-communicable diseases at the primary care level 4. Explain the control measures of non-communicable diseases at the primary care level
CM 8.3	Enumerate and describe disease specific National Health Programs including their prevention and treatment of a case	<ol style="list-style-type: none"> 1. Enumerate the disease specific National Health Programs 2. Describe disease specific National Health Programs including their prevention and treatment of a case
CM 8.4	Describe the principles and enumerate the measures to control a disease epidemic	<ol style="list-style-type: none"> 1. Describe the principles to control any epidemic disease 2. Enumerate the measures to control any epidemic disease
CM 8.5	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	<ol style="list-style-type: none"> 1. Describe the terms planning, implementation and evaluation 2. Define and differentiate surveillance and monitoring 3. Explain the principles of planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease 4. Discuss the challenges and solutions for planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease
CM 8.6	Educate and train health workers in disease surveillance, control & treatment and health education	<ol style="list-style-type: none"> 1. Describe the components of disease surveillance 2. Discuss the role of health workers in disease surveillance, control & treatment 3. Enumerate the principles of health education 4. Explain the ways of involving health workers for health education
CM 8.7	Describe the principles of management of information systems	<ol style="list-style-type: none"> 1. Enumerate the components of health information system 2. Classify the types of surveillance 3. Explain the principles of management of health information systems
Demography and Vital Statistics		
CM 9.1	Define and describe the principles of	<ol style="list-style-type: none"> 1. Define demography

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	Demography, Demographic cycle, Vital statistics	<ol style="list-style-type: none"> 2. Explain the principles of demography 3. Discuss the demographic cycle 4. Enumerate and describe vital statistics
CM 9.2	Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates	<ol style="list-style-type: none"> 1. Define and describe demographic indices including birth rate, death rate, fertility rates 2. Calculate and interpret the demographic indices including birth rate, death rate, fertility rates for the given data
CM 9.3	Enumerate and describe the causes of declining sex ratio and its social and health implications	<ol style="list-style-type: none"> 1. Define the term sex ratio 2. Enumerate the causes of declining sex ratio 3. Describe various interventions taken to increase sex ratio 4. Discuss the social and health implications of declining sex ratio
CM 9.4	Enumerate and describe the causes and consequences of population explosion and population dynamics of India.	<ol style="list-style-type: none"> 1. Describe the terms population explosion and population dynamics 2. Mention the ways of identifying population explosion 3. List the causes of population explosion 4. Enumerate and discuss the consequences of population explosion 5. Explain the population dynamics of India and its implication
CM 9.5	Describe the methods of population control	<ol style="list-style-type: none"> 1. Enumerate the methods of population control 2. Describe the methods of population control
CM 9.6	Describe the National Population Policy	<ol style="list-style-type: none"> 1. Define policy 2. Mention the objectives of National Population Policy 2000 3. Enumerate the targets of National Population Policy 2000 4. Describe the strategies of National Population Policy 2000
CM 9.7	Enumerate the sources of vital statistics including census, SRS, NFHS, NSSO etc	<ol style="list-style-type: none"> 1. Enumerate the sources of vital statistics 2. Describe the organisation framework of census, SRS, NFHS, NSSO as source of vital statistics 3. Explain the functions of census, SRS, NFHS, NSSO as source of vital statistics 4. Discuss the limitations of census, SRS, NFHS, NSSO as source of vital statistics
Reproductive Maternal and Child Health		
CM 10.1	Describe the current status of Reproductive, maternal, new born and Child Health	<ol style="list-style-type: none"> 1. Enumerate the indicators used to measure Reproductive, maternal, new born and Child Health

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		2. Describe the current status of Reproductive, maternal, new born and Child Health
CM 10.2	Enumerate and describe the methods of screening high risk groups and common health problems	<ol style="list-style-type: none"> 1. Define the term high risk group 2. List the high risk groups 3. Enumerate the common health problems of high risk groups 4. Describe the methods of screening high risk groups and common health problems
CM 10.3	Describe local customs and practices during pregnancy, childbirth, lactation and child feeding practices	<ol style="list-style-type: none"> 1. Understand the term local customs and practices 2. Enumerate common local customs and practices during pregnancy, childbirth, lactation and child feeding practices 3. Discuss the implications of local customs and practices during pregnancy, childbirth, lactation and child feeding practices
CM 10.4	Describe the reproductive, maternal, newborn & child health (RMCH); child survival and safe motherhood interventions	<ol style="list-style-type: none"> 1. Describe the factors affecting reproductive, maternal, newborn & child health and child survival 2. Mention the objectives of RMNCH+A program 3. Explain the strategies of RMNCH+A program 4. Discuss the challenges of RMNCH+A program
CM 10.5	Describe Universal Immunization Program, Integrated Management of Neonatal and Childhood Illness (IMNCI) and other existing Programs	<ol style="list-style-type: none"> 1. Enumerate the objectives of Universal Immunization Program 2. Describe the strategies of Universal Immunization Program 3. Discuss the current scenario and challenges of Universal Immunization Program 4. List the objectives of IMNCI Program 5. Explain the strategies of IMNCI Program 6. Discuss the challenges of IMNCI Program
CM 10.6	Enumerate and describe various family planning methods, their advantages and shortcomings	<ol style="list-style-type: none"> 1. Define family planning 2. Describe the scope of family planning 3. Classify the contraceptive methods available to control population 4. Discuss the advantages/disadvantages of each contraceptive methods
CM 10.7	Enumerate and describe the basis and principles of the Family Welfare Program including the organization, technical and operational aspects	<ol style="list-style-type: none"> 1. Enumerate the principles of the Family Welfare Program 2. Describe the basis and principles of the Family Welfare Program 3. Explain the organization of the Family Welfare Program 4. Discuss the technical and operational aspects of the Family Welfare

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		Program
CM 10.8	Describe the physiology, clinical management and principles of adolescent health including ARSH	<ol style="list-style-type: none"> 1. Describe the physiology of adolescent health 2. Discuss the clinical management and principles of adolescent health 3. List the objectives of ARSH program 4. Explain the strategies of ARSH program
CM 10.9	Describe and discuss gender issues and women empowerment	<ol style="list-style-type: none"> 1. Enumerate the causes of gender inequality 2. Describe the causes of gender inequality 3. Discuss the scope of women empowerment 4. Explain the strategies available for women empowerment
Occupational Health		
CM11.1	Enumerate and describe the presenting features of patients with occupational illness including agriculture	<ol style="list-style-type: none"> 1. Enlist the various occupational illnesses (including agriculture) 2. Describe the presenting features and epidemiological factors of the occupational illnesses enumerated 3. Explain briefly the etiopathogenesis of these occupational diseases.
CM11.2	Describe the role, benefits and functioning of the employees state insurance scheme	<ol style="list-style-type: none"> 1. Describe roles/benefits of the Employees State Insurance (ESI) scheme 2. Explain the functioning of ESI scheme 3. Discuss the responsibilities of employers under ESI and Labour act
CM11.3	Enumerate and describe specific occupational health hazards, their risk factors and preventive measures	<ol style="list-style-type: none"> 1. Enlist various specific occupational health hazards 2. Describe the risk factors associated with these hazards 3. Explain preventive measures against these occupational hazards
CM11.4	Describe the principles of ergonomics in health preservation	<ol style="list-style-type: none"> 1. Describe concept of ergonomics and its principles 2. Discuss how these principles are useful in health preservation 3. Interpret the relation between anthropometric measurements and various aspects of ergonomic workstation
CM11.5	Describe occupational disorders of health professionals and their prevention & management	<ol style="list-style-type: none"> 1. Enlist various occupational hazards and disorders associated with health care profession 2. Discuss briefly the etiopathogenesis of these disorders or diseases 3. Explain the preventive measures and effective management of these disorders
Geriatric Services		
CM12.1	Define and describe the concept of Geriatric services	<ol style="list-style-type: none"> 1. Define geriatrics 2. Define the term gerontology

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CM12.2	Describe health problems of aged population	1. Describe the health problems of aged population
CM12.3	Describe the prevention of health problems of aged population	1. Describe the prevention of health problems of aged population
CM12.4	Describe National program for elderly	1. Describe National program for elderly
Disaster Management		
CM13.1	Define and describe the concept of Disaster management	1. Define the term 'Disaster' and 'hazards'. 2. Enlist natural disasters worldwide and in India 3. Describe the concept of Disaster management
CM13.2	Describe disaster management cycle	1. Name the fundamental aspects of disaster management 2. Describe disaster management cycle 3. Understand disaster management cycle
CM13.3	Describe man made disasters in the world and in India	1. Enlist the man-made disasters 2. Describe man-made disasters in the world 3. Describe man-made disasters in India
CM13.4	Describe the details of the National Disaster management Authority	1. Describe the details of the National Disaster management Authority 2. Enlist the International agencies providing health humanitarian assistance during disaster
Hospital Waste Management		
CM14.1	Define and classify hospital waste	1. Enlist the sources of health-care waste 2. Define hospital waste 3. Classify hospital waste
CM14.2	Describe various methods of treatment of hospital waste	1. Explain the health hazards of health care waste. 2. Describe various methods of treatment of hospital waste 3. Discuss the advantages/disadvantages of treatment and disposal options
CM14.3	Describe laws related to hospital waste management	1. Describe laws related to hospital waste management 2. Discuss various categories of biomedical waste and their segregation, collection, treatment, processing and disposal options.
Mental Health		
CM15.1	Define and describe the concept of mental Health	1. Define the concept of mental Health 2. Describe the concept of mental Health
CM15.2	Describe warning signals of mental health disorder	1. Describe warning signals of mental health disorder 2. Name the causes of mental ill health

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		3. Explain the preventive aspects of mental ill health
CM15.3	Describe National Mental Health program	1. Describe National Mental Health program
Health planning and Management		
CM16.1	Define and describe the concept of Health planning	1. Define health planning 2. Describe the principles involved with health planning 3. Explain the various aspects of public health in terms of health planning
CM16.2	Describe planning cycle	1. Define planning cycle and list the steps involved 2. Describe the various steps in planning cycle 3. Illustrate the planning cycle in relation to health planning
CM16.3	Describe Health management techniques	1. List the various health management techniques 2. Describe the specific health management techniques 3. Discuss application of the management techniques in public health
CM16.4	Describe health planning in India and National policies related to health and health planning	1. Describe the various aspects of health planning in India 2. Discuss the National Policies related to health planning & management 3. Explain how these health policies are influencing health planning and 4. Public health care provision.
Health care to Community		
CM17.1	Define and describe the concept of health care to community	1. Name the levels of health care of the community. 2. Define the concept of health care to community 3. Describe the concept of health care to community
CM17.2	Describe community diagnosis	1. Define community diagnosis 2. Enlist the steps of community diagnosis 3. Describe community diagnosis
CM17.3	Describe primary health care, its components and principles	1. Define primary health care, 2. Describe the essential components of primary health care 3. Explain the principles of primary health care
CM17.4	Describe National policies related to health and health planning and millennium development goals	1. Describe National policies related to health and health planning and millennium development goals 2. Describe sustainable development goals
CM17.5	Describe health care delivery in India	1. Enlist the health problems of India 2. Understand the levels of health care in India 3. Describe health care delivery in India

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		4. Describe health care systems in India
International Health		
CM18.1	Define and describe the concept of International health	1. Define health 2. Define the concept of International health 3. Describe the concept of International health
CM18.2	Describe roles of various international health agencies	1. Describe roles of various international health agencies 2. Explain the health work of bilateral health organization
Essential Medicine		
CM 19.1	Define and describe the concept of Essential Medicine List (EML)	1. Define essential medicine 2. Describe the concept of essential medicine list 3. Discuss the need for essential medicine list 4. Explain the process of preparation of essential medicine list
CM 19.2	Describe roles of essential medicine in primary health care	1. Define primary health care 2. Explain the roles of essential medicine in primary health care
CM 19.3	Describe counterfeit medicine and its prevention	1. Define counterfeit medicine 2. Describe the consequences of counterfeit medicine 3. Discuss the ways of prevention
Recent advances in Community Medicine		
CM 20.1	List important public health events of last five years	1. Define and describe public health events 2. List important public health events of last five years
CM 20.2	Describe various issues during outbreaks and their prevention	1. Describe various consequences of outbreaks 2. Discuss the ways of prevention of outbreaks and their consequences
CM 20.3	Describe any event important to Health of the Community	1. Describe any event important to Health of the Community
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	1. Mention the laws related to health 2. Describe various acts pertaining to practice of medicine 3. Explain the Clinical establishment Act 4. Enumerate the implications of Clinical establishment Act 5. Explain the Human Organ Transplantation Act 6. Discuss the implications of Organ Transplantation Act

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