

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Topic: Concept of Health and Disease									
OR.1.1	Define and describe the concept of Public Health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Learning Objectives									
OBJECTIVE 1	At the end of session phase I students must be able to describe changing concept of Health								
OBJECTIVE 2	At the end of session phase I students must be able to define public health								
OBJECTIVE 3	At the end of session phase I students must be able to describe role of public health and its importance in recent times								
OR.1.2	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			
Learning Objectives									
OBJECTIVE 1	At the end of session phase I students must know the WHO definition of health.								
OBJECTIVE 2	At the end of session phase I students must be able to describe the dimensions of health								
OBJECTIVE 3	At the end of session phase I students must be able to describe concept of holistic health including spiritual health.								
OBJECTIVE 4	At the end of session phase I students must be able to discuss concept of well being including standard & level of living.								
OBJECTIVE 5	At the end of session phase I students must be able to describe all the determinants of health								
OR. 1.3	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			
Learning Objectives									
OBJECTIVE 1	At the end of session phase I students must be able to discuss concept of causation including web of causation and multi-factorial causation.								

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OBJECTIVE 2	At the end of session phase I students must be able to describe epidemiological triad including agent, host, environment factors, and risk factors.								
OR.1.4	At the end of session phase I students must be able to describe the two phases associated with natural history of Disease.	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
OBJECTIVE 1	At the end of session phase I students must be able to describe the two phases associated with natural history of Disease.								
OBJECTIVE 2	At the end of session phase I students must be able to discuss the period of pre pathogenesis and pathogenesis with disease process.								
OR 1.5	Describe the application of interventions at various levels of prevention.	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Learning Objectives									
OBJECTIVE 1	At the end of session phase I students must be able to define various levels of prevention.								
OBJECTIVE 2	At the end of session phase I students must be able to describe various level of intervention at each level of prevention.								
OR 1.6	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			
OBJECTIVE 1	At the end of session phase I students must be able to describe communication process.								
OBJECTIVE 2	At the end of session phase I students must be able to describe types of communication.								
OBJECTIVE 3	At the end of session phase I students must be able to describe barriers of communication.								
OBJECTIVE 4	At the end of session phase I students must be able to discuss role of IEC & BCC in health education process.								
OBJECTIVE 5	At the end of session phase I students must be able to define health education.								

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OBJECTIVE 6	At the end of session phase I students must be able to describe principles of health education.								
OBJECTIVE 7	At the end of session phase I students must be able to describe models of health education.								
OR 1.7	Enumerate and describe health indicators	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
OBJECTIVE 1	At the end of session phase I students must be able to Enumerate characteristics of Health Indicator.								
OBJECTIVE 2	At the end of session phase I students must be able to List all the health indicators.								
OBJECTIVE 3	At the end of session phase I students must be able to describe each health indicator in detail.								
OR 1.8	Describe the Demographic profile of India and discuss its impact on health.	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
OBJECTIVE 1	At the end of session phase I students must be able to describe demographic cycle.								
OBJECTIVE 2	At the end of session phase I students must be able to discuss demographic trends in India								
OBJECTIVE 3	At the end of session phase I students must be able to describe impact of demographic factors on health including fertility and birth/death rates.								
OR 1.9	Demonstrate the role of effective Communication skills in health in a simulated environment.	S	SH	Y	DOAP sessions	Skill Assessment		AETCOM	
OBJECTIVE 1	At the end of session phase I students must be able to describe all the points of health communication with special focus on counseling.								
OBJECTIVE 2	At the end of session phase I students must be able to demonstrate ability to communicate to patients in a respectful, nonthreatening, & empathetic manner								
OR 1.10	Demonstrate the important aspects of the doctor patient relationship in a simulated environment	S	SH	Y	DOAP sessions	Skill Assessment		AETCOM	
OBJECTIVE 1	At the end of session phase I students must be able to discuss rights of patient and duties of a doctor.								

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OBJECTIVE 2	At the end of session phase I students must be able to demonstrate empathy in patient encounters.								
Topic: Relationship of social and behavioral to health and disease									
OR2.1	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community Objectives:- At the end of session the phase 1 student	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
Learning Objectives									
OBJECTIVE 1	Must be able to demonstrate the clinic socio-cultural assessment of individual, family and community.								
OBJECTIVE 2	Must be able to demonstrate demographic assessment of family and community.								
OR 2.2	Describe the socio-cultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status Objectives:- At the end of session the phase 1 student	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
Learning Objectives									
Objective 1	Must be able to define different types of families – nuclear /joint/ Extended family correctly.								
Objective 2	Must be able to describe role of family in health & disease.								
Objective 3	Must be able to describe role of socio-cultural factors such as customs, culture & behavior in health & disease.								
Objective 4	Must be able to describe role of socio – economic factors such as poverty, education & health facilities in society.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Objective 5	Must be able to calculate "Socio-economic Class" of family using "BG Prasad Classification", "Kuppuswamy classification" and "Parekh classification" correctly								
OR 2.3	Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior Objectives:- At the end of session the phase 1 student	S	SH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce/ Skill assessment			
Learning Objectives									
Objective 1	Must be able to find out barriers to good health and health Seeking behavior in allotted families in villages by survey method.								
Objective 2	Must be able to carry out survey of family through "Questionnaire Method" and analyze data thereby correctly.								
Objective 3	Must be able to find out health seeking behavior of people in Rural & urban area both.								
OR 2.4	Describe social psychology, community behavior and community relationship and their impact on health and disease Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Learning Objectives									
Objective 1	Must be able to define Social Psychology, mob mentality, Social Power groups and control mechanism by legislation or enactment of law.								
Objective 2	Must be able to describe emotions, habits, behavior, Acculturation, interpersonal relationship and role of motivational factors in health & disease.								
Objective 3	Must be able to describe "Psycho-somatic diseases" and "life Style diseases" and its relationship to our health seeking behavior and "sick role"								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR 2.5	Describe poverty and social security measures and its relationship to health and disease Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Learning Objectives									
Objective1	Must be able to classify different socio economic classes								
Objective2	Must be able to define criteria of "Below Poverty Line" for rural and urban area separately								
Objective3	Must be able to enumerate various social security schemes Which are age specific, sex specific and for vulnerable groups of society for social justice								
Topic: Environmental Health Problems									
OR 3.1	Describe the health hazards of air, water, noise, radiation and pollution Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group Discussion	Written/ Viva voce		General Medicine, ENT	
Learning Objectives									
Objective 1	Must be able to enumerate air borne diseases correctly.								
Objective 2	Must be able to enumerate water borne diseases correctly.								
Objective 3	Must be able to list immediate and late effects of noise pollution correctly.								
Objective 4	Must be able to list immediate and late effects of radiation upon human body in detail.								
OR 3.2	Describe concepts of safe and wholesome water, sanitary sources of water, water purification processes, water quality standards, concepts of water conservation and rainwater harvesting Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Learning Objectives									
Objective 1	Must be able to point wise define what is safe and whole some water correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Objective 2	Must be able to describe a "Sanitary Well" and "piped water supply" correctly.								
Objective 3	Must be able to describe methods of water purification at domestic and community level in detail.								
Objective 4	Must be able to discuss working of "slow sand and rapid sand filters" correctly.								
Objective 5	Must be able to perform "Horrock-Test" and "OTA Test" accurately in laboratory.								
Objective 6	Must be able to illustrate "action of chlorine" and "break point chlorination" accurately.								
OR 3.3	Describe the etiology and basis of water borne diseases /jaundice/hepatitis/ diarrheal diseases Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion, DOAP session	Written / Viva voce		Microbiology , General Medicine, Pediatrics	
Learning Objectives									
Objective 1	Must be able to describe etiology of water borne diseases due to biological and chemical agents correctly.								
Objective 2	Must be able to discuss importance of "faeco-oral route " of transmission.								
Objective 3	Must be able to describe transmission of diseases such as jaundice /viral hepatitis/rota virus diarrhea and polio correctly.								
OR 3.4	Describe the concept of solid waste, human excreta and sewage disposal Objectives;- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Objective 1	Must be able to describe sources of solid waste such as domestic, outdoor, markets and industry correctly.								
Objective 2	Must be able to differentiate between degradable and non degradable and recyclable solid waste.								
Objective 3	Must be able to enumerate methods of storage/ collection/ transportation and final disposal of solid wastes.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Objective 4	Must be able to define features of "sanitary latrine", "septic tank" and "soak pit" correctly.								
Objective 5	Must be able to list type of latrines suitable for sewered and non-sewered areas correctly.								
Objective 6	Must be able to describe "composting methods" & differentiate between Aerobic & non Aerobic (Banglore method) of composting.								
Objective 7	Must be able to describe a "water carriage system"/ "sewerage system" correctly.								
Number	COMPETENCY	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	Horizon tal Integra tion
	The student should be able to								
OR 3.5	Describe the standards of housing and the effect of housing on health Objectives:- At the end of session the phase 1 student Objectives;- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
Objective1	Must be able to describe standards of an "Ideal Housing" as Regard to location, construction material, ventilation, lighting, per square feet living area & set back of house correctly.								
Objective 2	Must be able to enumerate diseases due to overcrowding & Indoor pollution								
Objective 3	Must be able to describe hazards of poor housing & causes of house hold accident like fall /fire/collapse etc.								
Objective 4	Must be able to describe diseases associated with high rise buildings (Sky-Scrappers)/melancholia/suicides/depression.								
OR 3.6	Describe the role of vectors in the causation of diseases. Also discuss National Vector Borne disease Control Program Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Microbiology	
Objective1	Must be able to list "Vector borne diseases " against each vector Separately.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Objective 2	Must be able to describe deferent vector borne disease control Programs run under NHM.								
OR 3.7	Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures Objectives:- At the end of session the phase 1 student	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Microbiology	
Objective1	Must be able to identify all vectors of public health importance In museum and real environment & capable of spotting slides under microscope correctly.								
Objective 2	Must be able to draw diagrams of different stages of "Life Cycle" of each vector separately and correctly.								
Objective 3	Must be able to describe methods of control of vectors of public health importance at different stages of their Life Cycle.								
Objective 4	Must be able to describe physical, chemical, biological and Genetic methods of vector control.								
OR 3.8	Describe the mode of action, application cycle of commonly used insecticides and rodenticides	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Pharmacology	
Objective1	At the end of the session the student of phase III MBBS must be able to describe the mode of action of commonly used insecticides accurately.								
Objective 2	At the end of the session the student of phase III MBBS must be able to document the application cycle of commonly used insecticides accurately.								
Objective 3	At the end of the session the student of phase III MBBS must be able to describe the mode of action of commonly used rodenticides accurately.								
Objective 4	At the end of the session the student of phase III MBBS must be able to document the application cycle of commonly used rodenticides accurately								
Topic: Principles of health promotion and education		Number of competencies: (3) Number of procedures that require certification: (NIL)							

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR 4.1	Describe various methods of health education with their advantages and limitations	K	K /KH	Y	Lecture, Small group discussion, Case Discussion, Bedside Clinic	Written/ Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the session the student of phase III MBBS must be able to enumerate the various methods of health education.								
OBJECTIVE 2	2. At the end of the session the student of phase III MBBS must be able to describe the various methods of health education accurately.								
OBJECTIVE 3	3. At the end of the session the student of phase III MBBS must be able to discuss the advantages of each of these methods of health education.								
OBJECTIVE 4	4. At the end of the session the student of phase III MBBS must be able to discuss the limitations of each of these methods of health education.								
OR 4.2	Describe the methods of organizing health promotion and education and counseling activities at individual family and community settings	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the session the student of phase III MBBS must be able to define the methods of organizing health promotion activities at the individual level in community settings.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to define the methods of organizing health promotion activities at the family level in community settings.								
OR 4.3	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			
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the session the student of phase III MBBS must be able to enumerate the steps in evaluation of health promotion program.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	2. At the end of the session the student of phase III MBBS must be able to describe the steps in evaluation of health promotion program.								
OBJECTIVE 3	3. At the end of the session the student of phase III MBBS must be able to demonstrate the steps in evaluation of health promotion program.								
OBJECTIVE 4	4. At the end of the session the student of phase III MBBS must be able to enumerate the steps in evaluation of health education program.								
OBJECTIVE 5	5. At the end of the session the student of phase III MBBS must be able to describe the steps in evaluation of health education program.								
OBJECTIVE 6	6. At the end of the session the student of phase III MBBS must be able to demonstrate the steps in evaluation of health education program.								
Topic: Nutrition		Number of competencies: (08) Number of procedures that require certification: (NIL)							
OR 5.1	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to classify the various nutrients.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe special nutritional requirements of a person according to age accurately.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe special nutritional requirements of a person according to sex, accurately.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to describe special nutritional requirements of a person according to physical activity accurately.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to describe special nutritional requirements of a person according to physiological conditions accurately.								
OR 5.2	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the different methods of performing nutritional assessment.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe the dietary method of performing nutritional assessment of individual person correctly.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe the dietary method of performing nutritional assessment of families correctly								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to describe the dietary method of performing nutritional assessment at community level correctly								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to describe the Anthropometric method of performing nutritional assessment of individuals correctly								
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to describe the Anthropometric method of performing nutritional assessment of families correctly								
OBJECTIVE 7	At the end of the session the student of phase III MBBS must be able to describe the Anthropometric method of performing nutritional assessment at community level correctly								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 8	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of individual person correctly by using dietary intake method.								
OBJECTIVE 9	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of the given family correctly by using dietary intake method.								
OBJECTIVE 10	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of the given community correctly by using dietary intake method.								
OBJECTIVE 11	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of individual person correctly by using Anthropometric measurements.								
OBJECTIVE 12	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of the given family correctly by using Anthropometric measurements.								
OBJECTIVE 13	At the end of the session the student of phase III MBBS must be able to perform the nutritional assessment of the given community correctly by using Anthropometric measurements.								
Number	COMPETENCY	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	Horizon tal Integra tion
	The student should be able to								
OR 5.3	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to define what is nutritional deficiency.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to enumerate the common macro-nutrients and micro-nutrients related disorders like PEM, iron, Zn, iodine and Vit-A.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe the common macro-nutrients related disorder like PEM.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to describe the micro-nutrient deficiency disorder related to iron.								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to describe the micro-nutrient deficiency disorder related to Zn.								
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to describe the micro-nutrient deficiency disorder related to Iodine.								
OBJECTIVE 7	At the end of the session the student of phase III MBBS must be able to describe the micro-nutrient deficiency disorder related to Vit-A.								
OBJECTIVE 8	At the end of the session the student of phase III MBBS must be able to describe the control measures of macro-nutrients related disorders like PEM.								
OBJECTIVE 9	At the end of the session the student of phase III MBBS must be able to describe the control measures of disorders related to iron.								
OBJECTIVE 10	At the end of the session the student of phase III MBBS must be able to describe the control measures of disorder related to Zn.								
OBJECTIVE 11	At the end of the session the student of phase III MBBS must be able to describe the control measures of disorder related to Iodine.								
OBJECTIVE 12	At the end of the session the student of phase III MBBS must be able to describe the control measures of disorder related to Vit-A.								
OBJECTIVE 13	At the end of the session the student of phase III MBBS must be able to describe the management of macro-nutrients related disorders like PEM.								

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OBJECTIVE 14	At the end of the session the student of phase III MBBS must be able to describe the management of disorders related to iron.								
OBJECTIVE 15	At the end of the session the student of phase III MBBS must be able to describe the management of disorders related to Zn.								
OBJECTIVE 16	At the end of the session the student of phase III MBBS must be able to describe the management of disorders related Iodine.								
OBJECTIVE 17	At the end of the session the student of phase III MBBS must be able to describe the management of disorders related to Vit-A.								
OR 5.4	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to plan a suitable diet for the individuals based on the local availability of the foods in a simulated environment.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to plan a suitable diet for the given family based on the local availability of the foods in a simulated environment.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to plan a suitable diet for the individual based on his/her economic status in a simulated environment.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to plan a suitable diet for the given families based on their economic status in a simulated environment.								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to recommend a suitable diet for the individuals based on the local availability of the foods in a simulated environment.								

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OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to recommend a suitable diet for the given family based on the local availability of the foods in a simulated environment.								
OBJECTIVE 7	At the end of the session the student of phase III MBBS must be able to recommend a suitable diet for the individual based on his/her economic status in a simulated environment.								
OBJECTIVE 8	At the end of the session the student of phase III MBBS must be able to recommend a suitable diet for the given families based on their economic status in a simulated environment.								
OR 5.5	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to describe the method of nutritional surveillance in the context of socio-cultural factors.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe the principles of nutritional education in the context of socio-cultural factors.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe the principles of rehabilitation in the context of socio-cultural factors.								
OR 5.6	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the session the student of phase III MBBS must be able to enumerate highlights of the National Nutrition Policy.								

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OBJECTIVE 2	2. At the end of the session the student of phase III MBBS must be able to enumerate important National nutritional programs with special reference to Integrated Child Development Services Scheme (ICDS) etc.								
OBJECTIVE 3	3. At the end of the session the student of phase III MBBS must be able to discuss in detail the National Nutrition Policy.								
OBJECTIVE 4	4. At the end of the session the student of phase III MBBS must be able to discuss the important National nutritional programs.								
OBJECTIVE 5	5. At the end of the session the student of phase III MBBS must be able to elaborate the								
OBJECTIVE 6	6. Integrated Child Development Services Scheme (ICDS).								
OR 5.7	Describe food hygiene	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to describe the principles of food hygiene.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe the milk hygiene.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe the methods milk hygiene.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to describe the tests of pasteurized milk.								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to describe the principle of Meat hygiene.								
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to describe the principle of slaughter house.								
OBJECTIVE 7	At the end of the session the student of phase III MBBS must be able to explain the Sanitation of eating places.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 8	At the end of the session the student of phase III MBBS must be able to explain the food handlers' hygiene.								
OBJECTIVE 9	At the end of the session the student of phase III MBBS must be able to enumerate food borne diseases.								
OBJECTIVE 10	At the end of the session the student of phase III MBBS must be able to enumerate the food borne intoxicants.								
OBJECTIVE 11	At the end of the session the student of phase III MBBS must be able to describe the important food borne intoxicants in detail.								
OR 5.8	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase II MBBS must be able to describe the At the end of the session the student of phase III MBBS must be able to enumerate the steps in evaluation of health promotion program.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe the steps in evaluation of health promotion program.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to demonstrate the steps in evaluation of health promotion program.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to enumerate the steps in evaluation of health education program.								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to describe the steps in evaluation of health education program								
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to demonstrate the steps in evaluation of health education program.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 7	At the end of the session the student of phase II MBBS must be able to describe the importance fortification.								
OBJECTIVE 8	At the end of the session the student of phase II MBBS must be able to describe the methods of food fortification								
OBJECTIVE 9	At the end of the session the student of phase II MBBS must be able to describe the effects of additives								
OBJECTIVE 10	At the end of the session the student of phase II MBBS must be able to describe the adulteration								
OBJECTIVE 11	At the end of the session the student of phase II MBBS must be able to describe the effects of adulteration								
Topic: Basic statistics and its applications		Number of competencies: (04)			Number of procedures that require certification: (NIL)				
OR 6.1	Formulate a research question for a study	K	KH	Y	Small group discussion, Lecture, DOAP sessions	Written / Viva voce/ Skill assessment		General Medicine, Pediatrics	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of session, MBBS phase III students must know the meaning of research.								
OBJECTIVE 2	At the end of session, MBBS phase III students must be able to describe research gap for a study topic.								
OBJECTIVE 3	At the end of session, MBBS phase III students must be able to frame research question according to need of the study.								
OR 6.2	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of session, MBBS phase III students must be able to record information in the form of numeric values from different sources of health information.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	At the end of the session, MBBS phase III students must be able to identify the type of a variable.								
OBJECTIVE 3	At the end of session, for the classification of the data, MBBS phase III students must be able to construct a frequency table from the raw data independently.								
OBJECTIVE 4	At the end of session, MBBS phase III students must be able to construct a grouped frequency tables.								
OBJECTIVE 5	At the end of session, MBBS phase III students must be able to construct a cross-tabulation table.								
OBJECTIVE 6	For the analysis of the data, at the end of the session, MBBS phase III students must be able to differentiate nominal, ordinal, metric discrete and metric continuous variables.								
OBJECTIVE 7	At the end of the session, MBBS phase III students must be able to identify the most appropriate chart for a given data type.								
OBJECTIVE 8	At the end of the session, MBBS phase III students must be able to draw histogram, simple and multiple bar chart, Pie chart and line diagram.								
OBJECTIVE 9	At the end of the session, MBBS phase III students must be able to interpret a frequency distribution from a frequency table or chart.								
OBJECTIVE 10	At the end of the session, MBBS phase III students must be able to sketch and describe a Normal distribution, negatively skewed, symmetric and positively skewed distribution.								
OBJECTIVE 11	At the end of the session, MBBS phase III students must be able to interpret and explain what a chart reveals.								
OR 6.3	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	
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of the session, MBBS phase III students must be able to explain what the standard error of the sample mean is and calculate its value.								
OBJECTIVE 2	At the end of the session, MBBS phase III students must be able to calculate and interpret a 95 per cent confidence interval for a population mean, median and proportion.								
OBJECTIVE 3	3. At the end of the session, MBBS phase III students must be able to explain research question can be expressed in the form of a testable hypothesis.								
OBJECTIVE 4	4. At the end of the session, MBBS phase III students must be able to explain what a null hypothesis and summarize the hypothesis test procedure.								
OBJECTIVE 5	5. At the end of the session, MBBS phase III students must be able to interpret what a p-value is.								
OBJECTIVE 6	At the end of the session, MBBS phase III students must be able to describe use the p-value to appropriately reject or not reject a null hypothesis.								
OBJECTIVE 7	At the end of the session, MBBS phase III students must be able to summarize the principal test described in the syllabus along with their most appropriate application, and any other requirements.								
OBJECTIVE 8	At the end of the session, MBBS phase III students must be able to point out the advantages of confidence intervals over hypothesis tests.								
OBJECTIVE 9	At the end of the session, MBBS phase III students must be able to describe the rationale underlying the chi-squared hypothesis test.								
OBJECTIVE 10	At the end of the session, MBBS phase III students must be able to outline the procedure for the chi squared test for the independence of two variables in a population.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 11	At the end of the session, MBBS phase III students must be able to perform independently a chi-squared test.								
Number	COMPETENCY	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	Horizon tal Integra tion
	The student should be able to								
OR 6.4	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of session, MBBS phase III students must be able to explain what a sample is, and what the difference between study and population is.								
OBJECTIVE 2	At the end of session, MBBS phase III students must be able to explain why it is important for a sample to be as representative of the population from which it is taken as possible.								
OBJECTIVE 3	At the end of session, MBBS phase III students must be able to define a random sample, and explain what a sampling frame is.								
OBJECTIVE 4	At the end of session, MBBS phase III students must be able to enumerate different sampling methods and briefly outline what is meant by a simple random sampling, systematic random sampling and stratified random sampling.								
OBJECTIVE 5	At the end of session, MBBS phase III students must be able to differentiate sampling and non sampling errors.								
OBJECTIVE 6	At the end of session, MBBS phase III students must be able to explain what a frequency distribution is.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 7	At the end of the session, MBBS phase III students must be able to explain what a summary measure of central tendency is, and interpret the meaning of, and the difference among, the mode, the median and the mean.								
OBJECTIVE 8	At the end of the session, MBBS phase III students must be able to calculate independently the mode, median and mean for a set of values.								
OBJECTIVE 9	At the end of the session, MBBS phase III students must be able to demonstrate the role of data type in choosing the most appropriate measure of central tendency and dispersion.								
OBJECTIVE 10	At the end of the session, MBBS phase III students must be able to explain what a summary measure of spread is, and can calculate, the range, the interquartile range and the standard deviation.								
Topic: Epidemiology		Number of competencies: (09)			Number of procedures that require certification: (NIL)				
OR 7.1	Define Epidemiology and describe and enumerate the principles, concepts and uses	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to define the Epidemiology								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to enumerate the principles of epidemiology								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe uses of epidemiology								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to describe concept of epidemiology								
OR 7.2	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	

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the modes of transmission non communicable diseases.								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to, describe measures for prevention and control of non communicable diseases.								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to enumerate the modes of transmission communicable diseases.								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to, describe measures for prevention and control of communicable diseases								
OR 7.3	Enumerate, describe and discuss the sources of epidemiological data	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the sources of epidemiological data								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to, describe the sources of epidemiological data								
OR 7.4	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to Define, morbidity indicators based on given set of data								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to Define, mortality indicators based on given set of data								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to calculate mortality indicators based on given set of data								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to calculate morbidity indicators based on given set of data								
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to interpret mortality indicators based on given set of data								
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to interpret morbidity indicators based on given set of data								
OR 7.5	Enumerate, define, describe and discuss epidemiological study designs	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the epidemiological study Designs								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to define, epidemiological study Designs								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe, epidemiological study Designs								
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to discuss, epidemiological study Designs								
OR 7.6	Enumerate and evaluate the need of screening tests	S	SH	Y	Small group discussion, DOAP sessions	Written/ Skill assessment		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the screening tests								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to evaluate the need of screening tests								
OR 7.7	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

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to Describe steps in the Investigation of an epidemic of communicable disease								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to demonstrate the steps in the Investigation of an epidemic of communicable disease								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to Describe the principles of control measures of an epidemic of communicable disease								
OR 7.8	Describe the principles of association, causation and biases in epidemiological studies	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to Describe the principles of association epidemiological studies								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to Describe the causation epidemiological studies								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to Describe the biases of epidemiological studies								
OR 7.9	Describe and demonstrate the application of computers in epidemiology	S	KH	Y	Small group discussion, DOAP sessions	Written		General Medicine	Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to Describe the application of computers in epidemiology								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to demonstrate the application of computers in epidemiology								
Number	COMPETENCY	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	Horizon tal Integra tion

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
	The student should be able to								
Topic: Epidemiology of communicable and non- communicable diseases Number of competencies:(7) Number of procedures that require certification:(NIL)									
OR 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	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	Microbiology , Pathology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to describe the epidemiological measures at the primary care level for communicable diseases								
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to describe the control measures at the primary care level for communicable diseases								
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to describe the use of essential laboratory tests at the primary care level for communicable diseases								
OR 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.)	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 3 MBBS student must be able to define non Communicable disease correctly								
OBJECTIVE 2	The phase 3 MBBS student must be able to enumerate the non communicable diseases in order of disease burden in India correctly								
OBJECTIVE 3	The phase 3 MBBS student must be able to define diabetes as per world health organization criteria								
OBJECTIVE 4	The phase 3 MBBS student must be able to describe the epidemiology of diabetes in India correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 5	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing diabetes along with its complications adequately								
OBJECTIVE 6	The phase 3 MBBS student must be able to discuss control measures against diabetes at all levels of prevention in population correctly.								
OBJECTIVE 7	The phase 3 MBBS student must be able to define hypertension as per world health organization criteria								
OBJECTIVE 8	The phase 3 MBBS student must be able to describe the epidemiology of hypertension in India correctly.								
OBJECTIVE 9	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing hypertension along with its complications adequately								
OBJECTIVE 10	The phase 3 MBBS student must be able to discuss control measures against hypertension at all levels of prevention in population correctly								
OBJECTIVE 11	The phase 3 MBBS student must be able to define stroke as per world health organization criteria								
OBJECTIVE 12	The phase 3 MBBS student must be able to describe the epidemiology of stroke in India correctly.								
OBJECTIVE 13	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing stroke along with its complications adequately								
OBJECTIVE 14	The phase 3 MBBS student must be able to discuss control measures against stroke at all levels of prevention in population correctly								
OBJECTIVE 15	The phase 3 MBBS student must be able to define obesity as per world health organization criteria								
OBJECTIVE 16	The phase 3 MBBS student must be able to describe the epidemiology of obesity in India correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 17	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing obesity along with its complications adequately								
OBJECTIVE 18	The phase 3 MBBS student must be able to discuss control measures against obesity at all levels of prevention in population correctly								
OBJECTIVE 19	The phase 3 MBBS student must be able to define cancer as per Standard criteria of pathology								
OBJECTIVE 20	The phase 3 MBBS student must be able to describe the epidemiology of cancer in India correctly.								
OBJECTIVE 21	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing cancer along with its complications adequately								
OBJECTIVE 22	The phase 3 MBBS student must be able to discuss control measures against cancer at all levels of prevention in population correctly								
OBJECTIVE 23	The phase 3 MBBS student must be able to define blindness as per world health organization criteria								
OBJECTIVE 24	The phase 3 MBBS student must be able to describe the epidemiology of blindness in India correctly.								
OBJECTIVE 25	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing blindness along with its complications adequately								
OBJECTIVE 26	The phase 3 MBBS student must be able to discuss control measures against blindness at all levels of prevention in population correctly								
OBJECTIVE 27	The phase 3 MBBS student must be able to define injury as per world health organization criteria								
OBJECTIVE 28	The phase 3 MBBS student must be able to enumerate all injuries correctly								
OBJECTIVE 29	The phase 3 MBBS student must be able to describe the epidemiology of injury in India correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 30	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing injury along with its complications adequately								
OBJECTIVE 31	The phase 3 MBBS student must be able to discuss control measures against injury at all levels of prevention in population correctly								
OBJECTIVE 32	The phase 3 MBBS student must be able to define coronary heart disease as per world health organization criteria								
OBJECTIVE 33	The phase 3 MBBS student must be able to describe the epidemiology of coronary heart disease in India correctly.								
OBJECTIVE 34	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing coronary heart disease along with its complications adequately								
OBJECTIVE 35	The phase 3 MBBS student must be able to discuss control measures against coronary heart disease at all levels of prevention in population correctly								
OBJECTIVE 36	The phase 3 MBBS student must be able to define rheumatic heart disease as per world health organization criteria								
OBJECTIVE 37	The phase 3 MBBS student must be able to describe the epidemiology of rheumatic heart disease in India correctly.								
OBJECTIVE 38	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing rheumatic heart disease along with its complications adequately								
OBJECTIVE 39	The phase 3 MBBS student must be able to discuss control measures against rheumatic heart disease at all levels of prevention in population correctly								
OBJECTIVE 40	The phase 3 MBBS student must be able to describe the epidemiology of cardiovascular disease in India correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 41	The phase 3 MBBS student must be able to discuss the primary lab services in diagnosing cardiovascular heart disease along with its complications adequately								
OBJECTIVE 42	The phase 3 MBBS student must be able to discuss control measures against cardiovascular disease at all levels of prevention in population correctly								
OR 8.3	DEnumerate 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	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 3 MBBS student must be able to define a health program precisely								
OBJECTIVE 2	The phase 3 MBBS student must be able to enumerate disease specific national health program currently running in India as per Government of India								
OBJECTIVE 3	The phase 3 MBBS student must be able to must be able to describe disease specific national health program currently running in India as per Government of India								
OBJECTIVE 4	The phase 3 MBBS student must be able to must be able to describe prevention of disease under disease specific national health program currently running in India as per Government of India								
OBJECTIVE 5	The phase 3 MBBS student must be able to must be able to describe the treatment of a disease under disease specific national health program currently running in India as per Government of India								
OR 8.4	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 2 MBBS student must be able to define a disease epidemic precisely								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	The phase 2 MBBS student must be able to describe principals of disease epidemic control correctly								
OBJECTIVE 3	The phase 2 MBBS student must be able to enumerate the measures to control disease epidemic correctly								
OBJECTIVE 4	The phase 2 MBBS student must be able to prepare a full report of disease epidemic control properly								
OR 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	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 3 MBBS student must be able to define planning precisely								
OBJECTIVE 2	The phase 3 MBBS student must be able to enumerate the steps of planning cycle correctly.								
OBJECTIVE 3	The phase 3 MBBS student must be able to describe the principles of planning cycle properly								
OBJECTIVE 4	The phase 3 MBBS student must be able to discuss planning control measures against a disease of public health importance at community level rightly								
OBJECTIVE 5	The phase 3 MBBS student must be able to discuss implementation of control measures against a disease of public health importance at community level rightly								
OBJECTIVE 6	The phase 3 MBBS student must be able to define evaluation process of a health program appropriately								
OBJECTIVE 7	The phase 3 MBBS student must be able to describe evaluation of control measure against a disease of public health importance at community level properly								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR 8.6	Educate and train health workers in disease surveillance, control & treatment and health education	S	SH	Y	DOAP sessions	Skill assessment		General Medicine, Pediatrics	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 3 MBBS student must be able to define disease surveillance precisely								
OBJECTIVE 2	The phase 3 MBBS student must be able to differentiate between surveillance and monitoring correctly								
OBJECTIVE 3	The phase 3 MBBS student must be able to describe planning of a session to train health worker on disease surveillance appropriately								
OBJECTIVE 4	The phase 3 MBBS student must be able to demonstrate a planned session of training for health worker on disease surveillance properly								
OBJECTIVE 5	The phase 3 MBBS student must be able to describe planning of a session to train health worker on disease control measures as per respective national health program								
OBJECTIVE 6	The phase 3 MBBS student must be able to demonstrate a planned session of training for health worker on disease control measures as per respective national health program								
OBJECTIVE 7	The phase 3 MBBS student must be able to describe planning of a session to train health worker on disease treatment procedures as per respective national health program								
OBJECTIVE 8	The phase 3 MBBS student must be able to demonstrate a planned session of training for health worker on disease treatment procedures as per respective national health program								
OBJECTIVE 9	The phase 3 MBBS student must be able to describe planning of a session to train health worker on health education appropriately								
OBJECTIVE 10	The phase 3 MBBS student must be able to demonstrate a planned session of training for health worker on health education properly								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR 8.7	Describe the principles of management of information systems	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		General Medicine, Pediatrics	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 3 MBBS student must be able to define management correctly precisely								
OBJECTIVE 2	The phase 3 MBBS student must be able to describe information system correctly								
OBJECTIVE 3	The phase 3 MBBS student must be able to describe principles of management of information system adequately								
Topic: Demography and vital statistics Number of competencies: (07) Number of procedures that require certification: (NIL)									
OR 9.1	Define and describe the principles of Demography, Demographic cycle, Vital statistics	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 1 MBBS student should be able to define demography precisely								
OBJECTIVE 2	The phase 1 MBBS student should be able to define demographic cycle adequately								
OBJECTIVE 3	The phase 1 MBBS student should be able to describe the demographic cycle properly								
OBJECTIVE 4	The phase 1 MBBS student should be able to enumerate vital statistics properly								
OBJECTIVE 5	The phase 1 MBBS student should be able to describe the principles of vital statistics correctly								
OR 9.2	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 1 MBBS student should be able to define demographic indices precisely								
OBJECTIVE 2	The phase 1 MBBS student should be able to list various rates under demographic indices properly								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 3	The phase 1 MBBS student should be able to list various ratios under demographic indices properly								
OBJECTIVE 4	The phase 1 MBBS student should be able to identify the causes affecting various demographic indices of different countries correctly								
OBJECTIVE 5	The phase 1 MBBS student should be able to interpret relationship between various demographic indices of a community correctly								
Number	COMPETENCY	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
	The student should be able to								
OR 9.3	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			
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 1 MBBS student should be able to define sex ratio precisely								
OBJECTIVE 2	The phase 1 MBBS student should be able to enumerate the causes of declining sex ratio in a community correctly								
OBJECTIVE 3	The phase 1 MBBS student should be able to describe various causes that reduces sex-ratio appropriately								
OBJECTIVE 4	The phase 1 MBBS student should be able to list social implication of declining sex ratio correctly								
OBJECTIVE 5	The phase 1 MBBS student should be able to list health implications of declining sex ratio accurately								
OR 9.4	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			
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	The phase 1 MBBS student should be able to enumerate the causes of population explosion in India correctly								
OBJECTIVE 2	The phase 1 MBBS student should be able to describe the causes of population explosion in India properly								
OBJECTIVE 3	The phase 1 MBBS student should be able to enumerate the consequences of population explosion in India correctly								
OBJECTIVE 4	The phase 1 MBBS student should be able to describe the consequences of population explosion in India properly								
OBJECTIVE 5	The phase 1 MBBS student should be able to describe the population dynamics of India properly								
OR 9.5	Describe the methods of population control	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Obstetrics & Gynecology	
LEARNING OBJECTIVES									
OBJECTIVE 1	The phase 1 MBBS student should be able to define birth control precisely								
OBJECTIVE 2	The phase 1 MBBS student should be able to classify birth control methods correctly								
OBJECTIVE 3	The phase 1 MBBS student should be able to describe birth control methods properly								
OR 9.6	Describe the National Population Policy	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of phase 1 students must be able to enumerate the objectives of National Population Policy.								
OBJECTIVE 2	At the end of phase 1 students must be able to enumerate goals to be achieved under National Population Policy								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR 9.7	Enumerate the sources of vital statistics including census, SRS, NFHS, NSSO etc	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of phase 1 students must be able to enumerate requirements, components, uses of health information.								
OBJECTIVE 2	2. At the end of phase 1 students must be able to describe different sources of health information								
OBJECTIVE 3	3. At the end of phase 1 students must be able to define and describe Census and SRS.								
OBJECTIVE 4	4. At the end of phase 1 students must be able to describe registration of vital events and The Central Births and Deaths Registration Act, 1969								
OBJECTIVE 5	5. At the end of phase 1 students must be able to describe population surveys and enumerate different survey methods								
OBJECTIVE 6	6. At the end of phase 1 students must be able to describe NFHS and its phases.								
OBJECTIVE 7	7. At the end of phase 1 students must be able to brief about NSSO and its functioning.								
Topic: Reproductive maternal and child health					Number of competencies:(09) Number of procedures that require certification: (NIL)				
OR10.1	Describe the current status of Reproductive, maternal, newborn and Child Health	K	KH	Y	Small group discussion, Lecture	Written / Viva voce		Obstetrics & Gynaecology , Pediatrics	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of phase 3 students must be able to define reproductive, maternal, newborn and child health								
OBJECTIVE 2	At the end of phase 3 students must be able describe different services provided to this population.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 3	At the end of phase 3 students must be able to explain the problems of reproductive, maternal, newborn and child health.								
OBJECTIVE 4	At the end of phase 3 students must be able to describe the current status of reproductive, maternal, newborn and child health in the country.								
OR10.2	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of phase 3 student must be able to describe concept of screening, types of screening,								
OBJECTIVE 2	At the end of phase 3 students must be able to explain uses and criteria's of screening.								
OBJECTIVE 3	At the end of phase 3 students must be able to define and explain sensitivity and specificity.								
OR10.3	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of phase 3 students must be able to describe the beneficial and harmful local customs and practices during pregnancy, childbirth and lactation prevalent in the community.								
OBJECTIVE 2	At the end of phase 3 students must be able to enumerate beneficial and harmful feeding practices prevalent in the community.								
OBJECTIVE 3	At the end of phase 3 students must be able to explain the interventions for harmful practices during pregnancy, childbirth, lactation and child feeding.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR10.4	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the phase 3 students must be able to describe the various components of programme.								
OBJECTIVE 2	2. At the end of the phase 3 students must be able to define goals & objectives.								
OBJECTIVE 3	3. At the end of the phase 3 students must be able to identify target groups.								
OBJECTIVE 4	4. At the end of the phase 3 students must be able to enumerate new initiatives in the programme.								
OR10.5	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	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 3 students must be able to describe the various components of universal immunization programme, goals & objectives, target groups and recently introduced the vaccines in the programme.								
OBJECTIVE 2	At the end of the phase 3 students must be able to describe the essential components of integrated management of neonatal and childhood illnesses (IMNCI), goals, training & innovations and color coded treatment strategy.								
OBJECTIVE 3	At the end of the phase 3 students must be able to enumerate and describe in brief other programmes. i.e. Janani-Shishu Suraksha Karyakram (JSSK), Janani Suraksha Yojana Navjat Shishu Suraksha Karyakram (NSSK) Rashtriya Bal Swasthya Karyakram (RBSK) Adolescent Health Programme India Newborn Action Plan (INAP).								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OR10.6	Enumerate and describe various family planning methods, their advantages and shortcomings	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 3 students must be able to describe the various components of family planning.								
OBJECTIVE 2	At the end of the phase 3 students must be able to enumerate different family planning/contraceptive methods								
OBJECTIVE 3	At the end of the phase 3 students must be able to enumerate the advantages, disadvantages and contraindications of different contraceptive methods.								
Number	COMPETENCY	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
	The student should be able to								
OR10.7	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			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 3 students must be able to describe the basis, principles and different components of family welfare programme.								
OBJECTIVE 2	At the end of the phase 3 students must be able to enumerate the technical and operational components of family welfare programme. (i.e. training, research, infrastructure development, transport etc)								
OR10.8	Describe the physiology, clinical management and principles of adolescent health including ARSH	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 3 students must be able to describe the physiology and problems of adolescent health.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	At the end of the phase 3 students must be able to explain the clinical management and principles of adolescent health.								
OBJECTIVE 3	At the end of the phase 3 students must be able to explain the services, its delivery and standards in ARSH.								
OR10.9	Describe and discuss gender issues and women empowerment	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 3 students must be able to enumerate the different gender issues and its proposed solutions.								
OBJECTIVE 2	At the end of the phase 3 students must be able to describe the women empowerment and its challenges.								
Topic: Occupational Health Number of competencies: (05) Number of procedures that require certification: (NIL)									
OR11.1	Enumerate and describe the presenting features of patients with occupational illness including agriculture	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the phase 2 students must be able to enumerate the various occupational illnesses.								
OBJECTIVE 2	At the end of the phase 2 students must be able to describe the presenting clinical features of the patients.								
OBJECTIVE 3	At the end of the phase 2 students must be able to explain the treatment modality of mentioned occupational illnesses.								
OR11.2	Describe the role, benefits and functioning of the employees state insurance scheme	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase II students must be able to tell about the role of employee's state insurance scheme correctly.								
OBJECTIVE 2	At the end of this session the phase II students must be able to describe the benefits of employee's state insurance scheme correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 3	At the end of this session the phase II students must be able to discuss the functioning of employee's state insurance scheme correctly.								
OR11.3	Enumerate and describe specific occupational health hazards, their risk factors and preventive measures	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase II students must be able to enumerate are the occupational hazards specifically.								
OBJECTIVE 2	At the end of this session the phase II students must be able to describe the occupational hazards correctly.								
OBJECTIVE 3	At the end of this session the phase II students must be able to enumerate the risk factors of occupational hazards correctly.								
OBJECTIVE 4	At the end of this session the phase II students must be able to describe the risk factors of occupational hazards correctly.								
OBJECTIVE 5	At the end of this session the phase II students must be able to enumerate the preventive measures of occupational hazards correctly.								
OBJECTIVE 6	At the end of this session the phase II students must be able to describe the preventive measures of occupational hazards correctly.								
OR11.4	Describe the principles of ergonomics in health preservation	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase II students must be able to describe the principles of ergonomics used for health preservation correctly.								
OR11.5	Describe occupational disorders of health professionals and their prevention & management	K	KH	Y	Small group discussion, Lecture	Written / Viva voce			
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of this session the phase II students must be able to describe the occupational disorders of health professionals correctly.								
OBJECTIVE 2	At the end of this session the phase II students must be able to discuss the prevention and management of occupational disorders of health professionals correctly.								
Topic: Geriatric services Number of competencies: (04) Number of procedures that require certification: (NIL)									
OR12.1	Define and describe the concept of Geriatric services	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	. At the end of this session the phase III students must be able to define who comes under geriatric age group correctly.								
OBJECTIVE 2	At the end of this session the phase III students must be able to define the concept of geriatric services correctly.								
OBJECTIVE 3	At the end of this session the phase III students must be able to describe the concept of geriatric services correctly								
OR12.2	Describe health problems of aged population	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to enumerate the health problems of aged population precisely.								
OBJECTIVE 2	At the end of this session the phase III students must be able to describe the health problems of aged population precisely.								
OR12.3	Describe the prevention of health problems of aged population	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to describe the ways to prevent the health problems of aged population correctly.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
Number	COMPETENCY	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
	The student should be able to								
OR12.4	Describe National program for elderly	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to describe the national programme for elderly correctly.								
OR13.1	Define and describe the concept of Disaster management	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to define the concept of disaster management precisely.								
OBJECTIVE 2	At the end of this session the phase III students must be able to define the concept of disaster management precisely.								
OR13.2	Describe disaster management cycle	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to elicit the disaster management cycle precisely.								
OR13.3	Describe manmade disasters in the world and in India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of this session the phase III students must be able to define the man disaster precisely								
OBJECTIVE 2	At the end of this session the phase III students must be able to describe the man disaster in the world correctly.								
OBJECTIVE 3	At the end of this session the phase III students must be able to describe the man disaster in India correctly								
OR13.4	Describe the details of the National Disaster management Authority	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		General Surgery, General Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of this session the phase III students must be able to describe the details of National Disaster Management Authority precisely.								
Topic: Hospital waste management Number of competencies: (03) Number of procedures that require certification: (NIL)									
OR14.1	Define and classify hospital waste	K	KH	Y	Lecture, Small group discussion, visit to hospital	Written / Viva voce			Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define the waste produced in the course of health care activities/Biomedical waste correctly								
OBJECTIVE 2	At the end of the session the Phase III student must be able to categorize the waste produced in the course of health care activities correctly								
OR14.2	Describe various methods of treatment of hospital waste	K	KH	Y	Lecture, Small group discussion, visit to hospital	Written / Viva voce			Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe essential methods of handling and treatment of health care waste precisely								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 2	At the end of the session the Phase III student must be able to explain hazards related to exposure to health care waste appropriately								
OR14.3	Describe laws related to hospital waste management	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Microbiology
LEARNING OBJECTIVES									
OBJECTIVE 1	1. At the end of the session the Phase III student must be able to describe laws related to health care waste management correctly								
Topic: Mental Health		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
OR15.1	Define and describe the concept of mental Health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define relative concept of mental dimension of health correctly								
OR15.2	Describe warning signals of mental health disorder	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to list warning signals of mental health disorders correctly								
OR15.3	Describe National Mental Health program	K	KH	Y	Lecture, Small group discussion	Written / Viva voce		Psychiatry	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe initiatives of government to improve mental health suitably								
Number	COMPETENCY	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
	The student should be able to								
Topic: Health planning and management		Number of competencies: (04) Number of procedures that require certification: (NIL)							
OR16.1	Define and describe the concept of Health planning	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define the concept of health planning correctly								
OBJECTIVE 2	At the end of the session the Phase III student must be able to define the concept of health planning correctly								
OR16.2	Describe planning cycle	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe steps of planning cycle exactly								
OR16.3	Describe Health management techniques.	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to enumerate health management techniques correctly								
OBJECTIVE 2	At the end of the session the Phase III student must be able to discuss health management techniques briefly								
OR16.4	Describe health planning in India and National policies related to health and health planning	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe health planning in India correctly								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe national policies related to health planning correctly								
Topic: Health care of the community					Number of competencies:(05) Number of procedures that require certification: (NIL)				
OR17.1	Define and describe the concept of health care to community	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of the session the Phase III student must be able to define the concept of health care to community precisely								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe the levels of health care to community correctly								
OR17.2	Describe community diagnosis	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe community diagnosis correctly								
OR17.3	Describe primary health care, its components and principles	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define primary health care.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe components of primary health care.								
OBJECTIVE 3	At the end of the session the Phase III student must be able to discuss the principles of primary health care.								
OR17.4	Describe National policies related to health and health planning and millennium development goals	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define concepts viz. Policy, programme, health planning, planning cycle.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe policies related to health.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 3	At the end of the session the Phase III student must be able to describe policies related to health planning.								
OBJECTIVE 4	At the end of the session the Phase III student must be able to describe Millennium Development Goals								
OBJECTIVE 5	At the end of the session the Phase III student must be able to discuss Sustainable development goals								
OBJECTIVE 6	At the end of the session the Phase III student must be able to elicit amendments in sustainable development goals over millennium development goals with the help of Poster.								
OR17.5	Describe health care delivery in India	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to list levels of health care delivery in India								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe health care delivery in India.								
Topic: International Health Number of competencies: (2) Number of procedures that require certionat (NIL)									
OR18.1	Define and describe the concept of International health	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define International Health.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe concept of International health.								
OR18.2	Describe roles of various international health agencies	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of the session the Phase III student must be able to enumerate various international agencies contributing in health care delivery.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe roles of various international health agencies								
Number	COMPETENCY	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
	The student should be able to								
Topic: Essential Medicine Number of competencies: (3) Number of procedures that require certification: (NIL)									
OR19.1	Define and describe the concept of Essential Medicine List (EML)	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacolog y
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define the concept of essential medicine								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe the concept of Essential Medicine List.								
OR19.2	Describe roles of essential medicine in primary health care	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacolog y
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe roles of essential medicine in primary health care								
OBJECTIVE 2									
OR19.3	Describe counterfeit medicine and its prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			Pharmacolog y
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to define the concept of counterfeit medicine.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to describe the concept of counterfeit medicine.								

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 3	At the end of the session the Phase III student must be able to discuss established functional mechanism for prevention of counterfeit medicines.								
Topic: Recent advances in Community Medicine Number of competencies: (04) Number of procedures that require certification: (NIL)									
OR20.1	List important public health events of last five years	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to list important public health events of last five years								
OR20.2	Describe various issues during outbreaks and their prevention	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to describe various issues during outbreaks.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to discuss preventive measures to address issues during outbreak								
OR20.3	Describe any event important to Health of the Community	K	KH	Y	Lecture, Small group discussion	Written / Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the Phase III student must be able to list various events important to Health of the Community.								
OBJECTIVE 2	At the end of the session the Phase III student must be able to Describe any event important to Health of the Community								
OR20.4	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			
LEARNING OBJECTIVES									

No.	Competencies	Domain K/S/A/C	Level K/KH/SH/P	Core	Teaching and learning method	Assessment method	Number required to certify P	Vertical integration	Horizontal integration
OBJECTIVE 1	At the end of session phase III student will be able to enumerate various laws pertaining to practice of medicine.								
OBJECTIVE 2	At the end of session phase III student will be able to demonstrate awareness about Clinical Establishment Act in a group discussion.								
OBJECTIVE 3	At the end of session phase III student will be able to demonstrate awareness about Human Organ Act in a group discussion								
OBJECTIVE 4	At the end of session phase III student will be able to describe implications of above mentioned laws in practice of medicine.								