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:Tuberculo	sis		-		-				
CT1.1	Describe and discuss the epidemiology of tuberculosis and its impact on the work, life and economy of India	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	
Learning Object	ives								
OBJECTIVE 1	Describe and discuss epidemiology of tuberculosis accurately.								
OBJECTIVE 2	Describe the impact of tuberculosis on the work, life and economy of India accurately.								
CT1.2	Describe and discuss the microbiology of tubercle bacillus, mode of transmission, pathogenesis, clinical evolution and natural history of pulmonary and extra pulmonary forms (including lymph node, bone and CNS)	К	КН	Y	Lecture, Small group discussion	written		Microbiology	
Learning Object				1	1	1			
OBJECTIVE 1	Describe of microbiology of tubercle bacillus accurately.								
OBJECTIVE 2	Describe made of transmission and pathogenesis of tuberculosis accurately.								
OBJECTIVE 3	Describe clinical evaluation and natural history of pulmonary tuberculosis accurately								
OBJECTIVE 4	Describe clinical evaluation and natural history of extra pulmonary tuberculosis accurately								
СТ1.3	Discuss and describe the impact of co- infection with HIV and other co-morbid conditions. Like diabetes on the natural history of tuberculosis	к	к	I Y	Lecture, Small group discussion	written		Microbiology	
Learning Object			1		Ι	1			
OBJECTIVE 1	Discuss the impact of tuberculosis and HIV contact 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 2	Discuss the impact of tuberculosis on chronic renal failure and diabetes accurately								
OBJECTIVE 3	Describe the natural history of tuberculosis in HIV co infection of accurately.								
OBJECTIVE 4	Describe the natural history of TB in CKD and diabetes accurately								
СТ1.4	Describe the epidemiology, the predisposing factors and microbial and therapeutic factors that determine resistance to drugs	к	КН	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine, Microbiology , Pharmacolo gy	
OBJECTIVE 1	Describe the epidemiology of drug resistance in tuberculosis accurately								
OBJECTIVE 2	Enumerate the predisposing factor for drug resistance, under sub heading of microbial factors and therapeutic factors accurately.								
CT1.5	Elicit, document and present an appropriate medical history that includes risk factor, contacts, symptoms including cough and fever CNS and other manifestations	s	SH	Y	Bed side clinic, DOAP session	Skill assessment			
Learning Object									
OBJECTIVE 1	Elicit, document and present appropriate medical history of tuberculosis that include risk factors contact and symptoms accurately								

CT1.6 Demonstrate and perform a systematic oxamination that establishes the diagnosis based on the clinical presentation that includes a log general examination, b) examination of the chest and lung including loss of volume, mediastinal shift, percussion and auscuttation (including DOAP session of lung sounds and added sounds) c) examination of the lymphatic system and d) relevant CNS examination S SH Y Bed side clinic, DOAP session Skill assessment OBJECTIVE 1 Demonstrate and perform systematic clinical based on clinical presentation in general examination, respiratory system examination and CNS examination accurately. S P Y DOAP session Maintenance of log book Microbiology CT1.7 Perform and interpret a PPD (mantoux) and describe and bifcuss the indications and pitfalls of the test S P Y DOAP session Maintenance of log book Microbiology CT1.7 Perform and interpret a PPD (mantoux) and describe and discuss the indications and pitfalls of the test S P Y DOAP session Maintenance of log book Microbiology CBLECTIVE 1 Describe PPD test accurately I I I I I OBJECTIVE 2 Describe PPD test accurately I I I I OBJECTIVE 3 Perform and interpret a PPD test accurately I I I OBJECTIVE 3 Perform and interpret a PPD test accurately I I <	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 examination that establishes diagnosis based on clinical presentation in general examination, respiratory system examination and CNS examination accurately. Image: CTI.7 image: CT	CT1.6	examination that establishes the diagnosis based on the clinical presentation that includes a a) general examination, b) examination of the chest and lung including loss of volume, mediastinal shift, percussion and auscultation (including DOAP session of lung sounds and added sounds) c) examination of the lymphatic system and d) relevant CNS	S	SH	1 Y	,	Skill assessment			
C11.7 and describe and discuss the indications and pitfalls of the test S P Y DOAP session log book Microbiology Learning Objectives OBJECTIVE 1 Describe PPD test accurately Image: Comparison of the test and false negative PPD test accurately Image: Comparison of the test accurately Image: Comparison of test accurately Image: Compar	OBJECTIVE 1	examination that establishes diagnosis based on clinical presentation in general examination, respiratory system examination								
OBJECTIVE 1 Describe PPD test accurately Image: Constraint of the disease that prioritises the most Image: Constraint of	СТ1.7	and describe and discuss the	S	Ρ	Y	DOAP session			Microbiology	
OBJECTIVE 2 Enumerate indication cases of false positive and false negative PPD test accurately Image: Comparison of test accurately Image: Comparison							1			
and false negative PPD test accurately Image: Constraint of the disease that prioritises the most Image: Constraint of the disease that	OBJECTIVE 1	Describe PPD test accurately								
CT1.8 Generate a differential diagnosis based on the clinical history and evolution of the disease that prioritises the most K K Y Bedside clinic, Small group discussion Bedside clinic/Viva voce	OBJECTIVE 2									
CT1.8 on the clinical history and evolution of K K K Y Small group discussion Viva voce	OBJECTIVE 3	Perform and interpret a PPD test accurately								
Learning Objectives		on the clinical history and evolution of the disease that prioritises the most likely diagnosis	к	к		Small group				

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	List Differential diagnosis base on clinical history and examination that provides most likely diagnosis accurately.								
СТ1.9	Order and interpret diagnostic tests based on the clinical presentation including: CBC, Chest X ray PA view, Mantoux, sputum culture and sensitivity, pleural fluid examination and culture, HIV testing	к	к	Y	Bedside clinic, DOAP session	Skill assessment			
Learning Object			•						
Objective 1	Able to conform differential diagnosis by sending relevant investigations.								
Objective 2	Interpretation of the result of investigations.								
CT1.10	Perform and interpret an AFB stain	S	Р	Y	DOAP session	Skill assessment		Microbiology	
Learning Object				-					
Objective 1	Steps in doing ZN staining								
Objective 2	Identify AFB under microscope & their grading as per no. Of bacilli seen.								
СТ1.11	Assist in the performance, outline the correct tests that require to be performed and interpret the results of a pleural fluid aspiration	s	SH	Y	Skill assessment	Skill assessment			
Learning Object			-			1			
Objective1	At the end of the session the student of phase III MBBS must be able to identify the cause of pleural effusion.	к	к						
Objective2	At the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration under supervision correctly.	S	КН						

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
At the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration independently without any error	S	SH	Y					
At the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctly	А	SH	Y					
At the end of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.	С	Р	Y					
Describe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccine	к	кн	Y	Small group discussion, Lecture	Short note/ Viva		Microbiology	
tives				1				
At the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.	К	к	Y					
At the end of the session the student of phase III MBBS must be	К	к	Y					
At the end of the session the student of phase III MBBS must be able to enumerate the indication of polymerase chain reaction.	к	КН	Y					
Describe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccine	к	КН	Y	Lecture, Small group discussion	Short note/ Viva voce		Microbiology	
	At the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration independently without any error At the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctly At the end of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely. Describe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccine tives At the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB. At the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB. At the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB. At the end of the session the student of phase III MBBS must be able to enumerate the indication of phase III MBBS must be able to enumerate the indication of polymerase chain reaction. Describe and discuss the origin, indications, technique of administration, efficacy and	CompetenciesK/S/A/CAt the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration independently without any errorSAt the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctlyAAt the end of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.CDescribe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KAt the end of the session the student of phase III MBBS must be able to enumerate the indication of polymerase chain reaction.KDescribe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineK	CompetenciesK/S/A/CK/KH/SH/PAt the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration independently without any errorSSHAt the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctlyASHAt the end of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.CPDescribe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKKHAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KKHAt the end of the session the student 	CompetenciesK/S/A/CK/KH/SH/PCoreAt the end of the session the student of phase III MBBS must be able to perform pleural fluid aspiration independently without any errorSSHYAt the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctlyASHYAt the end of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.CPYDescribe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKKYAt the end of the session the student of phase III MBBS must be able to idicuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKKYAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KKYAt the end of the session the student of phase III MBBS must be able to enumerate the indication of 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MBBS must be able to interpret the pleural fluid analysis precisely.ASHYYDescribe and discuss the origin, indications, technique of administration, efficacy and corple at the end of the session the student of phase III MBBS must be able to idiscuss the role of serological test for MTB.KKKYSmall group discussion, LectureAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KKKYSmall group discussion, LectureAt the end of the session the student of phase III MBBS must be able to discuss the role of serological test for MTB.KKKYAt the end of the session the student of phase III MBBS must be of phase III MBBS must be able to enumerate the indication of polymerase chain reaction.KKYDescribe and discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKKHYLecture, Small group discussionDescribe and discuss the origin, indication, setchique of administration, efficacy and complications of the BCG vaccineK	CompetenciesDomain KISIACLevel KIKH/SMPCoreTeaching and learning methodAssessment methodrequired to certify pAt the end of the session the student of phase III MBBS must be able to demonstrate the correct test that require to know the aetiology of the pleural effusion correctlySSHYImage: Constraint of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.ASHYImage: Constraint of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.CPYImage: Constraint of the session the student of phase III MBBS must be able to interpret the pleural fluid analysis precisely.CPYImage: Constraint of the session the student of phase III MBBS must be able to discuss the origin, indications, technique of administration, efficacy and complications of the BCG vaccineKKYImage: Constraint of the session the student of phase III MBBS must be able to discuss the origin of phase 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student of phase III MBBS must be able to perform pleural fluid aspiration independently without any errorSSHY <td< td=""></td<>

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
Objective1	At the end of the session the student of phase III MBBS must be able to discuss the indication of BCG vaccination precisely.	К	К	Y					
Objective2	At the end of the session the student of phase III MBBS must be able to elicit the technique of BCG vaccination without any error	S	КН	Y					
Objective3	At the end of the session the student of phase III MBBS must be able to discuss the efficacy of BCG vaccination correctly.	К	к	Y					
Objective4	At the end of the session the student of phase III MBBS must be able to list the complications of BCG vaccination precisely	A/C	SH	Y					
CT1.14	Describe and discuss the pharmacology of various anti- tuberculous agents, their indications, contraindications, interactions and adverse reactions	к	КН	Y	Lecture, Small group discussion	Short note/ Viva voce		Pharmacolo gy, Microbiology	
Learning Object		-							
Objective 1	At the end of the session the student of phase III MBBS must be able to list the various anti- tubercular drugs correctly.	К	к	Y					
Objective 2	At the end of the session the student of phase III MBBS must be able to discuss the pharmacology of various AT agents precisely.	к	к	Y					
Objective 3	At the end of the session the student of phase III MBBS must be able to classify the ATT according to the latest classification accurately.	К	К	Y					

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 describe the indication of ATT precisely.	к	кн	Y					
Objective 5	At the end of the session the student of phase III MBBS must be able to list the drugs contraindication in special situation like hepatic failure, renal failure and pregnancy.	к	КН	Y					
CT1.15	Prescribe an appropriate antituberculosis regimen based on the location of disease, smear positivity and negativity and co- morbidities based on current national guidelines including directly observed tuberculosis therapy (DOTS)	к	SH	Y	Bedside clinic, Small group discussion, Lecture	Skill assessment		Pharmacolo gy, Community Medicine	
Learning Object							1		
Objective 1	At the end of the session the student of phase III MBBS must be able to classify the AT drugs.	к	к	Y					
Objective 2	At the end of the session the student of phase III MBBS must be able to discuss the AT regimen based on current RNTCP guide lines	к	к	Y					
Objective 3	At the end of the session the student of phase III MBBS must be able to choose the AT regimen for sputum smear +/- patient newly diagnosed both pulmonary and EPTB.	к	SH	Y					
Objective 4	At the end of the session the student of phase III MBBS must be able to discuss the ATT regimen for MDR and XDR patients.	к	SH	Y					
Objective 5	At the end of the session the student of phase III MBBS must be able to choose the AT drugs in case of renal failure correctly.	к	Р	Y					

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 6	At the end of the session the student of phase III MBBS must be able to counsel the adverse effect of ATT to the patient of MDR tuberculosis precisely.	К	SH	Y					
Objective 7	At the end of the session the student of phase III MBBS must be able to inform the doctor if any side effect of ATT.	к	Р	Y					
CT1.16	Describe the appropriate precautions, screening, testing and indications for chemoprophylaxis for contacts and exposed health care workers	к	кн	Y	Bedside clinic, Small group discussion	Written		Community Medicine	
Learning Objectives									
OBJECTIVE 1	Describe appropriate precautions for contacts and expert health workers.								
OBJECTIVE 2	What are screening tests for contacts & expert health – workers.								
CT1.17	Define criteria for the cure of Tuberculosis; describe and recognise the features of drug resistant tuberculosis, prevention and therapeutic regimens	S	Ρ	Y	Lecture, Small group discussion	Written			
Learning Objectives									
Objective 1	Define pulmonary TB and extrapulmonary TB	l }							
Objective 2	Enumerate the diagnostic criterias								
Objective 3	Define MDR and its prevention & Treatment regimens								
CT1.18	Educate health care workers on National Program of Tuberculosis and administering and monitoring the DOTS program	С	SH	Y	DOAP session	Skill assessment		Community 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	Define RNTCP.								
Objective 2	How will you evaluate the health care workers in concern with administrating AKT and monitoring DOTS program .								
CT1.19	Communicate with patients and family	s	P	Y	DOAP session	Skill assessment		AETCOM	
Learning Objectives	Communicate with patients and family		-						
Objective 1	Discuss, communication with patient and family about the patient diagnosis and treatment in an empathetic manner.								
Topic: Obstructive airway disease									
CT2.1	Define and classify obstructive airway disease	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce		Physiology, Pathology	
Learning Objectives									
Objective1	Define and classify obstructive airway disease accurately								
СТ2.2	Describe and discuss the epidemiology, risk factors and evolution of obstructive airway disease	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce		Physiology, Pathology	
Learning									
Objective1	Describe and discuss epidemiology of obstructive airway disease 1. COPD, 2. B. Asthma, 3. Bronchiolitis, 4. ABPA, 5. Bronchiectasis accurately								
Objective2	Describe risk factors of abstractive airway airway disease 1. COPD, 2. B-Asthma, 3. Bronchiolitis, 4. ABPA, 5. Bronchiectasis, accurately								
Objective3	Describe natural history and evolution of COPD 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
Objective4	Describe natural history & evaluation of 1. Bronchial Asthma 2. ABPA 3. Bronchiolitis , 4. Bronchiectasis accurately.								
СТ2.3	Enumerate and describe the causes of acute episodes in patients with obstructive airway disease	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce		Physiology, Pathology	
Learning Objectives									
Objective1	Enumerate causes of acute episodes of 1. COPD, 2. Bronchial Asthma accurately.								
СТ2.4	Describe and discuss the physiology and pathophysiology of hypoxia and hypercapneia	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce		Physiology, Pathology	
Learning Objectives									
Objective 1	Describe and discuss normal gas exchange and transportations physiology in detail.								
Objective 2	Describe and discuss Pathophysiology of hypoxia and hypercarbia in detail.								
CT2.5	Describe and discuss the genetics of alpha 1 antitrypsin deficiency in emphysema	к	кн	N	Lecture, Small group discussion	Written/ Viva voce		Physiology, Pathology	
Learning Objectives									
Objective 1	deficiency in emphysema in detail.								
Objective 2	Discuss treatment of alpha 1 anti trypsin deficient in emphysema in detail.								
Objective 3									

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
СТ2.6	Describe the role of the environment in the cause and exacerbation of obstructive airway disease	к	КН	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology	
Learning Objectives									
Objective1	Enumerate and describe the environmental factors in the cause of exacerbation of obstructive airway desecase.1. COPD, 2. Bronchial Asthma, accurately.								
СТ2.7	Describe and discuss allergic and non- allergic precipitants of obstructive airway disease	к	КН	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology	
LEARNING									
OBJECTIVES									
OBJECTIVE 1	Describe and discuss allergic precipitants in bronchial asthma in Detail.								
OBJECTIVE 2	Describe and discuss allergic precipitants in COPD in detail.								
CT2.8	Elicit document and present a medical	S	SH	ΙΥ	Bed side clinic,	Skill assessment			
LEARNING					,				
OBJECTIVES	· · · · · · · · · · · · · · · · · · ·								
OBJECTIVE 1 OBJECTIVE 2	Knowledge to identify aetiology.								
	Differentiate types of obstructive diseases Aggravating factor for increasing symptoms								
			-					-	
СТ2.9	Perform a systematic examination that establishes the diagnosis and severity that includes measurement of respiratory rate, level of respiratory distress, effort tolerance, breath sounds, added sounds, identification of signs of consolidation pleural effusion and Pneumothorax	S	SH		Bed side clinic, DOAP session	Skill assessment			

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									
	Identify signs/ symptom of consolidation.								
	Able to asses severity of the disease								
OBJECTIVE 3	Knowledge to identify associated complicatio	n.							
CT2.10	Generate a differential diagnosis and prioritise based on clinical features that suggest a specific aetiology	s	ѕн	Y	Bed side clinic, DOAP session	Skill assessment/ Written			
LEARNING OBJECTIVES									
OBJECTIVE 1	Proper detail history talking.								
OBJECTIVE 2	respiratory system & could able to reach to								
CT2.11	Describe, discuss and interpret pulmonary function tests	s	ѕн	Y	Bed side clinic, DOAP session	Skill assessment		Physiology, Pathology	
LEARNING OBJECTIVES									
OBJECTIVE 1	PFT- procedure, indication and interpretation for proper diagnosis.								
CT2.12	Perform and interpret peak expiratory	S	SH	Ιγ	DOAP session	documentation in		1	
LEARNING OBJECTIVES	renomi and interpret peak expiratory	5							
OBJECTIVE 1	Able to demonstrable how to do PEFR								
OBJECTIVE 2	Indication and interpretation								
CT2.13	Describe the appropriate diagnostic work up based on the presumed aetiology	s	SH	Y	Bedside clinic, Small group discussion	Written/ Skill assessment			
LEARNING									
OBJECTIVE 1	With proper history examination reach to a probable diagnosis and advice investigation in view of suspected diseases.								

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
CT2.14	Enumerate the indications for and interpret the results of : pulse oximetry, ABG, Chest Radiograph	S	SH	Y	Bedside clinics, Small group discussion, DOAP session	Written/ Skill assessment			
LEARNING OBJECTIVES									
OBJECTIVE 1	Able to decide what type of investigation need for specific disease.								
OBJECTIVE 2	monitoring the patients.								
CT2.15	Generate a differential diagnosis and	S	SH	Y	Bedside clinics,	Written/ Skill			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to enumerate the D/D of the COPD correctly.	К	К	Y					
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to list the aetiology of COPD	К	К	Y					
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to interpret the physical examination suggestive of COPD accurately	S	SH	Y					
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to present the history of COPD patient with in time limit.	S	Р	Y					
CT2.16	Discuss and describe therapies for	K	КН	Y	Lecture, Small	Written/ Viva voce		Pharmacolog	v
LEARNING									,
OBJECTIVE1	phase III MBBS must be able to define the	К	K	Y					
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to discuss the therapies for OAD correctly.	К	К	Y					

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 student of phase III MBBS must be able to classify the therapies for OAD on the basis of GOLD COPD staging accurately	к	КН	Y					
CT2.17	Describe and discuss the indications for vaccinations in OAD	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce			
LEARNING OBJECTIVES									
OBJECTIVE 1	phase III MBBS must be able to list the	K	K	Y					
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to discuss the indication of vaccines in OAD precisely.	к	КН	Y					
CT2.18	Develop a therapeutic plan including use of bronchodilators and inhaled corticosteroids	к	SH	Y	Bedside clinics, Small group discussion, DOAP session	Written/ Skill assessment			
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to list the medication used for COPD patients correctly	к	к	Y					
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to compare the role of bronchodilators and inhaled corticosteroids precisely.	к	КН	Y					
OBJECTIVE 3	phase III MBBS must be able to	K		Y					
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to compare the inhaler technique before and after demonstrating without any error.	к	SH	Y					
OBJECTIVE 5	phase III MBBS must be able to choose	К	S	Y					

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
CT2.19	Develop a management plan for acute exacerbations including bronchodilators, systemic steroids, antimicrobial therapy	к	SH	Y	Bedside clinics, Small group discussion, DOAP session	Written/ Skill assessment			
LEARNING OBJECTIVES									
OBJECTIVE 1	phase III MBBS must be able to define	К	К	Y					
	At the end of the session the student of phase III MBBS must be able to list the medications for AECOPD	к	S	Y					
OBJECTIVE 3	phase III MBBS must be able to analyze	K	S	Y					
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to analyze the ABG accurately during AECOPD	к	А	Y					
OBJECTIVE 5	At the end of the session the student of phase III MBBS must be able to identify the co-morbidities leading to specific therapy during AECOPD.	к	к	Y					
OBJECTIVE 6	At the end of the session the student of phase III MBBS must be able to identify the microorganism causing AE COPD with the help of C/S.	к	к	Y					
OBJECTIVE 7	At the end of the session the student of phase III MBBS must be able to counsel the attendants regarding outcome of the patient with AECOPD.	к	к	Y					
СТ2.20	Describe and discuss the principles and use of oxygen therapy in the hospital and at home	к	кн	Y	Lecture, Small group discussion	Written/ Viva voce			
LEARNING									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to describe the guarded oxygen therapy in COPD patients accurately with the help of pulse- oxymeter	К	КН	Y					

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
СТ2.21	Describe discuss and counsel patients appropriately on smoking cessation	к/с	ѕн	Y	DOAP session	Skill assessment		AETCOM	
LEARNING OBJECTIVES									
OBJECTIVE 1	At the end of the session the student of phase III MBBS must be able to describe the hazards of smoking to the patient.	к	к	Y					
OBJECTIVE 2	At the end of the session the student of phase III MBBS must be able to explain the long term outcome of smoking.	к	КН	Y					
OBJECTIVE 3	At the end of the session the student of phase III MBBS must be able to discuss how to quit the smoking with the help of behavioral therapy, nicotine, replacement therapy and other medications.	С	S	Y					
OBJECTIVE 4	At the end of the session the student of phase III MBBS must be able to counsel the patient that you may experience the common symptoms when you quit smoking.	С	SH	Y					
CT2.22	Demonstrate and counsel patient on the correct use of inhalers	K/C	ѕн	Y	DOAP session	Skill assessment			
LEARNING OBJECTIVES									
OBJECTIVE 1	Demonstrate the correct use of inhalers								
СТ2.23	Communicate diagnosis treatment plan and subsequent follow up plan to patients	K/C	ѕн	Y	DOAP session	Skill assessment			
LEARNING OBJECTIVES OBJECTIVE 1	Discuss diagnostic criteria, treatment and follow up plan of pulmonary TB.								

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
СТ2.24	Recognise the impact of OAD on patient's quality of life, well being, work and family	K/C	SH	Y	Small group discussion, Bedside clinics	Observation by faculty		Community Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	Define OAD								
OBJECTIVE 2	What is the impact of OAD on quality of life.								
CT2.25	Discuss and describe the impact of OAD on the society and workplace	K/C	SH	Y	Small group discussion, Bedside clinics	Written/ Viva voce		Community Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	Discuss the impact of OAD on society and workplace								
СТ2.26	Discuss and describe preventive measures to reduce OAD in workplaces	K/C	SH	Y	Lecture, Small group discussion	Written/ Viva voce		Community Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	Discuss preventive measures to reduce OAD in workplace.								
СТ2.27	Demonstrate an understanding of patient's inability to change working, living and environmental factors that influence progression of airway disease	K/C	SH	Y	Small group discussion, Bedside clinics	Observation by faculty		Community Medicine	
LEARNING OBJECTIVES									
OBJECTIVE 1	Enumerate factors that influence progression of OAD.								
СТ2.28	Demonstrate an understanding for the difficulties faced by patients during smoking cessation	K/C	SH	Y	Small group discussion, Bedside clinics	Observation by faculty			

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									
	Discuss difficulties faced by patent during smoking cessation.								