

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/S H/P	Core Y/N	Objectives	Date	Time	Suggested Teaching Learning methods	Suggested Assessment methods	Number required to certify P	Vertical integration	Horizontal Integration
<b>Topic: Introduction to Pathology</b>												
PA1.1	Describe the role of a pathologist in diagnosis and management of disease	K	K	Y	A. At the end of the session the Phase II students should be able to describe the role of a pathologist in diagnosis of disease. B. At the end of the session the Phase II students should be able to describe the role of a pathologist in management of disease.	07.10.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA1.2	Enumerate common definitions and terms used in Pathology	K	K	Y	A. At the end of the session the Phase II students should be able to enumerate common definitions used in Pathology b. At the end of the session the Phase II students should be able to	9.10.20	8.30 to 9.30 am	Lecture	Written/ Viva voce			
PA1.3	Describe the history and evolution of Pathology	K	K	N	A. At the end of the session the Phase II students should be able to describe the history and evolution of Pathology.	14.10.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
<b>Topic: Cell Injury and Adaptation</b>												
PA2.1	Demonstrate knowledge of the causes, mechanisms, types and effects of cell injury and their clinical significance	K	KH	Y	A. At the end of the session the Phase II students should be able to demonstrate knowledge of the causes, mechanisms of cell injury and their clinical significance B. At the end of the session the Phase II students should be able to describe the types and effects of cell injury and their clinical significance.	6.10.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA2.2	Describe the etiology of cell injury. Distinguish between reversible-irreversible injury: mechanisms; morphology of cell injury	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the etiology of cell injury B. At the end of the session the Phase II students should be able to distinguish between reversible-irreversible injury. C. At the end of the session the Phase II students should be able to describe the mechanisms, morphology of cell injury.	13.10.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA2.3	Intracellular accumulation of fats, proteins, carbohydrates, pigments	K	KH	Y	A. At the end of the session the Phase II students should be able to illustrate various intracellular accumulations. B. At the end of the session the Phase II students should be able to describe the morphology and clinical significance of intracellular accumulation of fats, proteins, carbohydrates, pigments	20.10.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA2.4	Describe and discuss Cell death- types, mechanisms, necrosis, apoptosis (basic as contrasted with necrosis), autolysis	K	KH	Y	A. At the end of the session the Phase II students should be able to discuss Cell death- types. B. At the end of the session the Phase II students should be able to describe mechanisms and morphology of necrosis and apoptosis C. At the end of the session the Phase II students should be able to differentiate between necrosis and apoptosis. D. At the end of the session the Phase II students should be able to describe autolysis	16.10.20	8.30 to 9.30 am	Lecture	Written/ Viva voce			
PA2.5	Describe and discuss pathologic calcifications, gangrene	K	KH	Y	A. At the end of the session the Phase II students should be able to define calcification and gangrene. B. At the end of the session the Phase II students should be able to describe types, causes of calcification and gangrene. C. At the end of the session the Phase II students should be able to discuss the pathogenesis and morphology of calcification and gangrene.	21.10.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA2.6	Describe and discuss cellular adaptations: atrophy, hypertrophy, hyperplasia, metaplasia, dysplasia	K	KH	Y	A. At the end of the session the Phase II students should be able to define atrophy, hypertrophy, hyperplasia, metaplasia, dysplasia. B. At the end of the session the Phase II students should be able to describe causes, pathogenesis and morphology of atrophy, hypertrophy, hyperplasia, metaplasia, dysplasia	27.10.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			

PA2.7	Describe and discuss the mechanisms of cellular aging and apoptosis	K	KH	N	A. At the end of the session the Phase II students should be able to describe the mechanisms of cellular aging B. At the end of the session the Phase II students should be able to describe and discuss the mechanisms of apoptosis	3.11.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA2.8	Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens	S	SH	Y	A. At the end of the session the Phase II students should be able to identify various forms of cell injuries. B. At the end of the session the Phase II students should be able to describe the manifestations and consequences of different cell injuries in gross and microscopic specimens.	23.10.20	8.30 to 9.30 am	Lecture	Skill assessment			
<b>Topic: Amyloidosis</b>										<b>Number of procedures that require certification: (NIL)</b>		
PA3.1	Describe the pathogenesis and pathology of amyloidosis	K	KH	Y	A. At the end of the session the Phase II students should be able to classify Amyloidosis. B. At the end of the session the Phase II students should be able to describe the pathogenesis of amyloidosis.	28.10.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA3.2	Identify and describe amyloidosis in a pathology specimen	S	SH	N	A. At the end of the session the Phase II students should be able to identify the various amyloidosis specimen. B. At the end of the session the Phase II students should be able to describe the morphological changes in amyloidosis specimen	10.11.20	2.30 to 3.30pm	SGT/Tu/SDL	Skill assessment			
<b>Topic: Inflammation</b>										<b>Number of procedures that require certification: (NIL)</b>		
PA4.1	Define and describe the general features of acute and chronic inflammation including stimuli, vascular and cellular events	K	KH	Y	A. At the end of the session the phase II students must be able to describe the various features of acute and chronic inflammation and their stimuli B. At the end of the session the phase II students must be able to describe the various vascular and cellular events during the inflammation.	30.10.20	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Surgery	
PA4.2	Enumerate and describe the mediators of acute inflammation	K	KH	Y	A. At the end of the session the Phase II students should be able to enumerate the various chemical mediators of inflammation B. At the end of the session the Phase II students should be able to describe the functions of various chemical mediators of inflammation and their clinical correlation.	4.11.20	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA4.3	Define and describe chronic inflammation including causes, types, non-specific and granulomatous; and enumerate examples of each	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the causes and types of non-specific and granulomatous chronic inflammation B. At the end of the session the Phase II students should be able to enumerate and describe the examples of chronic inflammation.	6.11.20	8.30 to 9.30 am	Lecture	Written/ Viva voce			
PA4.4	Identify and describe acute and chronic inflammation in gross and microscopic specimens	S	SH	Y	A. At the end of the session the Phase II students should be able to describe the organ changes in acute and chronic inflammation B. At the end of the session the Phase II students should be able to identify the gross and microscopic changes of acute and chronic inflammation in the organs.	17.11.20	2.30 to 3.30pm	SGT/Tu/SDL	Skill assessment			
<b>Topic: Healing and repair</b>										<b>Number of procedures that require certification: (NIL)</b>		
PA5.1	Define and describe the process of repair and regeneration including wound healing and its types	K	KH	Y	1. At the end of the session the Phase II students should be able to define and describe the process of repair and wound healing. 2. At the end of the session the Phase II students should be able to describe the process of primary and secondary wound healing. 3. At the end of the session the Phase II students should be able to describe the factors affecting wound healing and its clinical correlation.	11.11.20 21.11.20	9.30 to 10.30am 2.30 to 3.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Surgery	
<b>Topic: Hemodynamic disorders</b>										<b>Number of procedures that require certification: (NIL)</b>		

PA6.1	Define and describe edema, its types, pathogenesis and clinical correlations	K	KH	Y	1. At the end of the session the Phase II students should be able to define and describe the edema and its various types 2. At the end of the session the Phase II students should be able to describe the pathogenesis of various types of edema and its clinical correlation.	13.11.20 21.11.20	8.30 to 9.30 am 2.30 to 3.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Medicine	
PA6.2	Define and describe hyperemia, congestion, hemorrhage	K	KH	Y	1. At the end of the session the Phase II students should be able to define and describe the pathogenesis of hyperemia, congestion and hemorrhage 2. At the end of the session the Phase II students should be able to describe the organ changes in hyperemia, congestion and hemorrhage and its clinical correlation.	1.12.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA6.3	Define and describe shock, its pathogenesis and its stages	K	KH	Y	1. At the end of the session the Phase II students should be able to define and describe Shock. 2. At the end of the session the Phase II students should be able to describe the pathogenesis and its stages and its clinical correlation.	18.11.20	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA6.4	Define and describe normal haemostasis and the etiopathogenesis and consequences of thrombosis	K	KH	Y	1. At the end of the session the Phase II students should be able to define and describe the normal hemostasis 2. At the end of the session the Phase II students should be able to define and describe the etiopathogenesis, consequences of thrombosis and its clinical correlation.	20.11.20	8.30 to 9.30 am	Lecture	Written/ Viva voce			
PA6.5	Define and describe embolism and its causes and common types	K	KH	Y	1. At the end of the session the phase II students should be able to define and describe the etiopathogenesis of embolism 2. At the end of the session the phase II students be able to define and describe the causes and common types of embolism and its clinical correlation	25.11.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA6.6	Define and describe Ischaemia/infarction its types, etiology, morphologic changes and clinical effects	K	KH	Y	1. At the end of the session the phase II students should be able to define and describe the etiopathogenesis of ischemia/Infarction 2. At the end of the session the Phase II students should be able to describe the morphologic changes of ischemia/Infarction and its clinical correlation.	15.12.20	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA6.7	Identify and describe the gross and microscopic features of infarction in a pathologic specimen	S	SH	Y	1. At the end of the session the phase II students must be able to identify the gross and microscopic features of infarction 2. At the end of the session the phase II students must be able to describe and correlate the gross and microscopic features of infarction.	08.12.20	2.30 to 4.30pm	SGT/Tu/SDL	Skill Assessment			
<b>Topic: Neoplastic disorders</b>								<b>Number of procedures that require certification: (NIL)</b>				
PA7.1	Define and classify neoplasia. Describe the characteristics of neoplasia including gross, microscopy, biologic, behaviour and spread. Differentiate between benign from malignant neoplasms	K	KH	Y	1. At the end of the session the phase II students must be able to define Neoplasia and to classify them. 2. At the end of the session the phase II students must be able to describe the gross morphological, microscopic features of various types of Neoplasia correctly. 3. At the end of the session the phase II students must be able to describe the biological behaviors and various modes of spread of Neoplasia. 4. At the end of the session the phase II students must be able to enumerate at least ten differences between benign and malignant neoplasm correctly.	27.11.20	8.30 to 9.30 am	Lecture	Written/ Viva voce			

PA7.2	Describe the molecular basis of cancer	K	KH	Y	1. At the end of the session the phase II students must be able to describe the role of genetic and epigenetic alterations of malignancy. 2. At the end of the session the phase II students must be able to enumerate the 8 fundamental changes in cell physiology that is occurring during Neoplasia. 3. At the end of the session the phase II students must be able to describe in detail about all the 8 fundamental changes in all physiology that is occurring during Neoplasia.	02.12.20 22.12.20	9.30 to 10.30am 2.30 to 3.30pm	Lecture & SGT/Tu/SDL	Written/ Viva voce			
PA7.3	Enumerate carcinogens and describe the process of carcinogenesis	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate the various carcinogens causing Neoplasia. 2. At the end of the session the phase II students must be able to describe in detail about the steps involved in chemical carcinogenesis and list of at least 10 chemical carcinogens. 3. At the end of the session the phase II students must be able to describe the various oncogenic RNA and DNA viruses with a note on its pathogenesis in Neoplasia. 4. At the end of the session the phase II students must be able to enumerate the Neoplasia caused by the oncogenic viruses. 5. At the end of the session the phase II students must be able to describe the effect of radiation with a note on its pathogenesis in Neoplasia.	04.12.20, 29.12.20	8.30 to 9.30 am	Lecture & SGT/Tu/SDL	Written/ Viva voce			
PA7.4	Describe the effects of tumor on the host including paraneoplastic syndrome	K	KH	Y	1. At the end of the session the phase II students must be able to describe in details about the local and hormonal effects of Neoplasia. 2. At the end of the session the phase II students must be able to define cancer cachexia and to enumerate the pathogenesis of the above condition. 3. At the end of the session the phase II students must be able to define PNS and enumerate at least 15 examples of the above condition correctly.	09.12.20	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA7.5	Describe immunology and the immune response to cancer	K	KH	N	1. At the end of the session the phase II students must be able to define tumor antigens and oncofetal antigens. 2. At the end of the session the phase II students must be able to describe the mechanism of action of the tumor antigens. 3. At the end of the session the phase II students must be able to describe the antitumor mechanism. 4. At the end of the session the phase II students must be able to add a note on immune surveillance and escape mechanism of tumor cells.	11.12.20 05.01.21	8.30 to 9.30 am 2.30 to 3.30pm	Lecture & SGT/Tu/SDL	Written/ Viva voce			Microbiology
<b>Topic: Basic diagnostic cytology</b>												
PA8.1	Describe the diagnostic role of cytology and its application in clinical care	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate components of cytopathology. 2. At the end of the session the phase II students must be able to describe in brief about FNAC, exfoliative cytology and body fluids cytology. 3. At the end of the session the phase II students must be able to describe the diagnostic role of cytology. 4. At the end of the session the phase II students must be able to enumerate the various application of it in clinical care.	12.1.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			General Surgery

PA8.2	Describe the basis of exfoliative cytology including the technique & stains used	K	KH	Y	1. At the end of the session the phase II students must be able to define exfoliative cytology with its uses and clinical application. 2. At the end of the session the phase II students must be able to demonstrate the steps in taking papanicolaou smear. 3. At the end of the session the phase II students must be able to list the various stains used in exfoliative cytology correctly. 4. At the end of the session the phase II students must be able to demonstrate the procedure of staining papanicolaou smear.	12.1.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce/ Skill assessment		General Surgery	
PA8.3	Observe a diagnostic cytology and its staining and interpret the specimen	S	KH	Y	1. At the end of the session the phase II students must be able to observe the steps involved in slide preparation and staining methods of cytological specimen. 2. At the end of the session the phase II students must be able to interpret well defined swelling cytologically	12.1.21	2.30 to 3.30pm	SGT/Tu/SDL	Skill assessment			
<b>Topic: Immunopathology and AIDS</b>												
PA9.1	Describe the principles and mechanisms involved in immunity	K	KH	Y	1. At the end of the session the phase II students must be able to describe in detail about the cells involved in normal immune response system. 2. At the end of the session the phase II students must be able to describe in detail about major histocompatibility complex and its role in immunity. 3. At the end of the session the phase II students must be able to mechanism of action of innate and adaptive immunity.	19.1.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		Pediatrics	Microbiology
PA9.2	Describe the mechanism of hypersensitivity reactions	K	KH	Y	1. At the end of the session the phase II students must be able to define hypersensitivity reaction and classify them. 2. At the end of the session the phase II students must be able to discuss in detail about the mechanism of action of each of the hypersensitivity reaction. 3. At the end of the session the phase II students must be able to enumerate at least 3 examples of each type of hypersensitivity reactions.	2.2.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce			Microbiology
PA9.3	Describe the HLA system and the immune principles involved in transplant and mechanism of transplant rejection	K	KH	Y	1. At the end of the session the phase II students must be able to define and describe the HLA system. 2. At the end of the session the phase II students must be able to describe the mechanism of reorganization of allograft by the human body. 3. At the end of the session the phase II students must be able to describe the mechanism of rejection of transplant grafts by our human body. 4. At the end of the session the phase II students must be able to describe the detail about the various types of kidney graft rejection. 5. At the end of the session the phase II students must be able to describe the methods of increasing graft survival. 6. At the end of the session the phase II students must be able to enumerate about transplantation of hematopoietic stem cells.	16.12.20	9.30 to 10.30am	Lecture	Written/ Viva voce			Microbiology
PA9.4	Define autoimmunity. Enumerate autoimmune disorders	K	KH	Y	1. At the end of the session the phase II students must be able to define autoimmunity and to describe about the mechanism of autoimmune mechanism. 2. At the end of the session the phase II students must be able to enumerate at least 5 autoimmune disorders.	9.2.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Medicine	

PA9.5	Define and describe the pathogenesis of systemic Lupus Erythematosus	K	KH	Y	1. At the end of the session the phase II students must be able to define systemic erythematosus. 2. At the end of the session the phase II students must be able to describe the pathogenesis of systemic lupus erythematosus. 3. At the end of the session the phase II students must be able to describe the clinical features of systemic lupus erythematosus. 4. At the end of the session the phase II students must be able to describe the morphological changes in kidney, heart, skin of systemic lupus erythematosus patients.	9.2.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Medicine		
PA9.6	Define and describe the pathogenesis and pathology of HIV and AIDS	K	KH	Y	1. At the end of the session the phase II students must be able to define AIDS 2. At the end of the session the phase II students must be able to describe the pathogenesis of HIV infection & AIDS 3. At the end of the session the phase II students must be able to describe in detail about mechanism of T cell depletion 4. At the end of the session the phase II students must be able to enumerate the clinical feature and opportunistic infections & secondary neoplasm 5. At the end of the session the phase II students must be able to describe the Lab investigations to confirm.	9.2.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Medicine	Microbiology	
PA9.7	Define and describe the pathogenesis of other common autoimmune diseases	K	KH	N	1. At the end of the session the phase II students must be able to define Amyloidosis and the physical properties of amyloid. 2. At the end of the session the phase II students must be able to describe pathogenesis & classification 3. At the end of the session the phase II students must be able to enumerate morphology of various organs and relevant Lab investigations.	9.2.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Medicine		
<b>Topic: Infections and Infestations</b>												<b>Number of procedures that require certification:(NIL)</b>	
PA10.1	Define and describe the pathogenesis and pathology of malaria	K	KH	Y	1. At the end of the session the phase II students must be able to describe the life cycle & Pathogenesis of the parasites. 2. At the end of the session the phase II students must be able to enumerate detail about the gross & lab findings 3. At the end of the session the phase II students must be able to describe about the clinical features, complications & treatment.	10.10.20	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	Microbiology	
PA10.2	Define and describe the pathogenesis and pathology of cysticercosis	K	KH	Y	1. At the end of the session the phase II students must be able to describe life cycle & Pathogenesis 2. At the end of the session the phase II students must be able to describe about the clinical features, complications & treatment. 3. At the end of the session the phase II students must be able to enumerate the gross and microscopy findings.	24.10.20	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	Microbiology	
PA10.3	Define and describe the pathogenesis and pathology of leprosy	K	KH	Y	1. At the end of the session the phase II students must be able to classify leprosy. 2. At the end of the session the phase II students must be able to describe pathogenesis & clinical features 3. At the end of the session the phase II students must be able to enumerate the lab investigation, including microscopy. 4. At the end of the session the phase II students must be able to discuss about the lepra reactions.	31.10.20	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	Microbiology	

PA10.4	Define and describe the pathogenesis and pathology of common bacterial, viral, protozoal and helminthic diseases	K	KH	N	1. At the end of the session the phase II students must be able to define the host pathogenesis interaction 2. At the end of the session the phase II students must be able to discuss the host damage. 3. 3. At the end of the session the phase II students must be able to enumerate morphological changes in Hepatitis B infection, Tuberculosis, Syphilis.	14.11.20	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	Microbiology
<b>Topic: Genetic and paediatric diseases</b>											<b>Number of procedures that require certification : (NIL)</b>	
PA11.1	Describe the pathogenesis and features of common cytogenetic abnormalities and mutations in childhood	K	KH	N	1. At the end of the session the phase II students must be able to define the cytogenetic disorders 2. At the end of the session the phase II students must be able to discuss Pathogenesis, clinical features and karyotyping of Down, Turner, Klinefelter syndrome 3. 3. At the end of the session the phase II students must be able to discuss pathogenesis and clinical features of Marfan & Ehler Danlos disorder.	18.12.20 16.2.21	8.30 to 9.30 am 2.30 to 3.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		Pediatrics	
PA11.2	Describe the pathogenesis and pathology of tumor and tumour- like conditions in infancy and childhood	K	KH	N	1. At the end of the session the phase II students must be able to classify childhood tumors. 2. At the end of the session the phase II students must be able to discuss the Gross & microscopy of the tumors. 3. At the end of the session the phase II students must be able to enumerate the prognostic factor of the tumor	23.12.20 23.02.21	9.30 to 10.30am 2.30 to 3.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		Pediatrics	
PA11.3	Describe the pathogenesis of common storage disorders in infancy and childhood	K	KH	N	1. At the end of the session the phase II students must be able to classify the lysosomal storage disorders 2. At the end of the session the phase II students must be able to describe the pathogenesis of disorders. 3. At the end of the session the phase II students must be able to enumerate the clinical features and complication.	30.12.20	9.30 to 10.30am	Lecture SGT/Tu/SDL	Written/ Viva voce		Pediatrics	
<b>Topic: Environmental and nutritional diseases</b>											<b>Number of procedures that require certification: (NIL)</b>	
PA12.1	Enumerate and describe the pathogenesis of disorders caused by air pollution, tobacco and alcohol	K	KH	Y	1. At the end of the session the phase II students must be able to definition of air pollution- Definition 2. At the end of the session the phase II students must be able to discuss the health effects air pollution. 3. At the end of the session the phase II students must be able to discuss the pathogenesis and complication of alcoholism and tobacco.	28.11.20	8.30 to 10.30 am	IL	Written/ Viva voce			Community Medicine
PA12.2	Describe the pathogenesis of disorders caused by protein calorie malnutrition and starvation	K	KH	Y	1. At the end of the session the phase II students must be able to Classification protein calorie malnutrition. 2. At the end of the session the phase II students must be able to discuss Clinical features, pathogenesis and complications.	12.12.20	8.30 to 10.30 am	IL	Written/ Viva voce		Biochemistry, Pediatrics	
PA12.3	Describe the pathogenesis of obesity and its consequences	K	KH	Y	1. At the end of the session the phase II students must be able to define obesity. 2. At the end of the session the phase II students must be able to discuss about pathogenesis and complications.	26.12.20	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	
<b>Topic: Introduction to haematology</b>											<b>Number of procedures that require certification: (NIL)</b>	
PA13.1	Describe hematopoiesis and extramedullary hematopoiesis	K	KH	Y	1. At the end of the session the phase II students must be able to describe the normal hematopoiesis. 2. At the end of the session the phase II students must be able to enumerate the various hematopoietic elements. 3. At the end of the session the phase II students must be able to describe extramedullary hematopoiesis and its mechanism.	2/3/4.12.20	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	

PA13.2	Describe the role of anticoagulants in hematology	K	KH	Y	1. At the end of the session the phase II students must be able to define anticoagulants. 2. At the end of the session the phase II students must be able to describe the normal coagulation pathway. 3. At the end of the session the phase II students must be able to discuss the role of anticoagulants in hematology. 4. At the end of the session the phase II students must be able to demonstrate the various vacutainers with its uses.	2/3/4.12.20	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
PA13.3	Define and classify anemia	K	KH	Y	1. At the end of the session the phase II students must be able to define normal blood parameters. 2. At the end of the session the phase II students must be able to define anemia. 3. At the end of the session the phase II students must be able to discuss the classification of anemia.	2/3/4.12.20	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
PA13.4	Enumerate and describe the investigation of anemia	K	KH	Y	1. At the end of the session the phase II students must be able to describe the various investigation methods for detection of anemia. 2. At the end of the session the phase II students must be able to discuss the specific investigations for each type of anemia.	9/10/11.12.20	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
PA13.5	Perform, Identify and describe the peripheral blood picture in anemia	S	SH	Y	1. At the end of the session the phase II students must be able to perform peripheral smear preparation. 2. At the end of the session the phase II students must be able to do the staining of peripheral smear. 3. At the end of the session the phase II students must be able to identify the various blood component of peripheral smear. 4. At the end of the session the phase II students must be able to come to a diagnosis on the basis of the peripheral smear findings.	16/17/18.12.20	2.30 to 4.30pm	DOAP session	Skill assessment		General Medicine	
<b>Topic: Microcytic anemia</b>											<b>Number of procedures that require certification :(NIL)</b>	
PA14.1	Describe iron metabolism	K	KH	Y	1. At the end of the session the phase II students must be able to describe the metabolism of iron from uptake till elimination.	06.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Biochemistry	
PA14.2	Describe the etiology, investigations and differential diagnosis of microcytic hypochromic anemia	K	KH	Y	1. At the end of the session the phase II students must be able to describe the etiology of microcytic hypochromic anemia. 2. At the end of the session the phase II students must be able to enumerate the various investigations used to diagnosis of microcytic hypochromic anemia. 3. At the end of the session the phase II students must be able to enumerate differential diagnosis of microcytic hypochromic anemia.	06.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA14.3	Identify and describe the peripheral smear in microcytic anemia	S	SH	Y	1. At the end of the session the phase II students must be able to identify microcytic anemia on peripheral smear. 2. At the end of the session the phase II students must be able to describe the various components of microcytic hypochromic anemia on peripheral smear.	8.1.21	8.30 to 9.30 am	Lecture	Skill assessment		General Medicine	
<b>Topic: Macrocytic anemia</b>											<b>Number of procedures that require certification :(NIL)</b>	
PA15.1	Describe the metabolism of Vitamin B12 and the etiology and pathogenesis of B12 deficiency	K	KH	Y	1. At the end of the session the phase II students must be able to describe the mechanism of Vitamin B12 metabolism 2. At the end of the session the phase II students must be able to describe the etiology of Vitamin B12 deficiency. 3. At the end of the session the phase II students must be able to describe the pathogenesis of Vitamin B12 deficiency.	13.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Biochemistry, General Medicine	



PA15.2	Describe laboratory investigations of macrocytic anemia	K	KH	Y	1. At the end of the session the phase II students must be able to discuss in detail about the various lab investigations for diagnosing macrocytic anemia	13.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA15.3	Identify and describe the peripheral blood picture of macrocytic anemia	S	SH	Y	1. At the end of the session the phase II students must be able to identify the peripheral smear findings of macrocytic anemia 2. At the end of the session the phase II students must be able to describe the morphological findings of macrocytic anemia on peripheral smear.	6/7/8.1.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Skill assessment			
PA15.4	Enumerate the differences and describe the etiology and distinguishing features of megaloblastic and non-megaloblastic macrocytic anemia	K	KH	N	1. At the end of the session the phase II students must be able to enumerate the cause of megaloblast and non megaloblast macrocytic anemia. 2. At the end of the session the phase II students must be able to enumerate the difference between megaloblast and non megaloblast macrocytic anemia.	6/7/8.1.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
<b>Topic: Hemolytic anemia</b>											<b>Number of procedures that require certification: (01)</b>	
PA16.1	Define and classify hemolytic anemia	K	KH	Y	1. At the end of the session the phase II students must be able to define hemolytic anemia. 2. At the end of the session the phase II students must be able to classify the various types of hemolytic anemia.	20.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Biochemistry, General Medicine	
PA16.2	Describe the pathogenesis and clinical features and hematologic indices of hemolytic anemia	K	KH	Y	1. At the end of the session the phase II students must be able to describe the pathogenesis of hemolytic anemia.	20.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Biochemistry, General	
PA16.3	Describe the pathogenesis, features, hematologic indices and peripheral blood picture of sickle cell anemia and thalassemia	K	KH	Y	1. At the end of the session the phase II students must be able to describe pathogenesis, clinical features and hematological indices of Thalassemia. 2. At the end of the session the phase II students must be able to describe pathogenesis, clinical features and hematological indices of sickle cells anemia. 3. At the end of the session the phase II students must be able to discuss the peripheral smear findings in Thalassemia and sickle cell anemia.	13.1.21	2.30 to 3.30pm	Lecture	Written/ Viva voce		Biochemistry, General Medicine	
PA16.4	Describe the etiology pathogenesis, hematologic indices and peripheral blood picture of Acquired hemolytic anemia	K	KH	Y	1. At the end of the session the phase II students must be able to describe the etiology of acquired hemolytic anemia. 2. At the end of the session the phase II students must be able to describe the pathogenesis of acquired hemolytic anemia. 3. At the end of the session the phase II students must be able to describe the hemolytic indices of acquired hemolytic anemia. 4. At the end of the session the phase II students must be able to describe the peripheral smear picture of acquired hemolytic anemia.	22.1.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		Biochemistry, General Medicine	
PA16.5	Describe the peripheral blood picture in different hemolytic anaemias	K	KH	Y	1. At the end of the session the phase II students must be able to describe the peripheral smear findings of different types of hemolytic anaemias. 2. At the end of the session the phase II students must be able to describe the main differences in the peripheral smear findings of differential hemolytic anemia.	27.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA16.6	Prepare a peripheral blood smear and identify hemolytic anaemia from it	S	P	Y	1. At the end of the session the phase II students must be able to prepare the peripheral smear of hemolytic anemia patient. 2. At the end of the session the phase II students must be able to identify the morphological findings of hemolytic anemia. 3. At the end of the session the phase II students must be able to specify the specific type of hemolytic anemia.	20/21.22.121	2.30 to 4.30pm	SGT/Tu/SDL	Skill assessment	1		

PA16.7	Discribe the correct technique to perform a cross match	S	SH	Y	1. At the end of the session the phase II students must be able to define cross matching. 2. At the end of the session the phase II students must be able to describe technique involved in cross matching. 3. At the end of the session the phase II students must be able to interpretation of cross matching.	20/21.22.121	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce				
<b>Topic: Aplastic anemia</b>											<b>Number of procedures that require certification: (NIL)</b>		
PA 17.1	Enumerate the etiology, pathogenesis and findings in aplastic anemia	K	K	N	1. At the end of the session the phase II students must be able to define aplastic anemia and enumerate the etiological caused of aplastic anemia. 2. At the end of the session the phase II students must be able to describe the pathogenesis of aplastic anemia 3. At the end of the session the phase II students must be able to describe the clinical features and findings of aplastic anemia.	29.01.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Medicine		
PA17.2	Enumerate the indications and describe the findings in bone marrow aspiration and biopsy	K	K	N	1. At the end of the session the phase II students must be able to enumerate at least 6 definitive indications for Bone marrow aspiration and biopsy. 2. At the end of the session the phase II students must be able to describe the findings of aplastic anemia on Bone marrow aspiration and biopsy.	29.01.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Medicine		
<b>Topic: Leukocyte disorders</b>											<b>Number of competencies: (02)</b>		
PA18.1	Enumerate and describe the causes of leucocytosis leucopenia lymphocytosis and leukemoid reactions	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate at least 6 causes of leucocytosis, leucopenia. 2. At the end of the session the phase II students must be able to enumerate at least 6 causes of lymphocytosis.	03.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce				
PA 18.2	Describe the etiology, genetics, pathogenesis classification, features, hematologic features of acute and chronic leukemia	K	KH	Y	1. At the end of the session the phase II students must be able to define leukemoid reaction and enumerate at least 4 causes of the above condition. 2. At the end of the session the phase II students must be able to describe the etiology, genetics, pathogenesis, classification, clinical features, hematological features of acute leukemia. 3. At the end of the session the phase II students must be able to describe the etiology, genetics, pathogenesis, classification, clinical features, hematological features of chronic leukemia.	05.02.21	8.30 to 9.30 am	Lecture	Written/ Viva voce				
<b>Topic: Lymph node and spleen</b>											<b>Number of competencies: (07)</b>		
PA19.1	Enumerate the causes and describe the differentiating features of lymphadenopathy	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate at least 10 causes of lymphadenopathy. 2. At the end of the session the phase II students must be able to describe the gross and microscopic differentiation features of the common causes of lymphadenopathy.	27/28/29.1.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce		General Surgery		
PA19.2	Describe the pathogenesis and pathology of tuberculous lymphadenitis	K	KH	Y	1. At the end of the session the phase II students must be able to describe the pathogenesis of tuberculosis lymphadenitis.	27/28/29.1.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce		General Surgery		
PA19.3	Identify and describe the features of tuberculous lymphadenitis in a gross and microscopic specimen	S	SH	Y	1. At the end of the session the phase II students must be able to describe and identify the gross features of tuberculosis lymphadenitis. 2. At the end of the session the phase II students must be able to describe and identify the microscopic features of tuberculosis lymphadenitis.	27/28/29.1.21	2.30 to 4.30pm	SGT/Tu/SDL	Skill assessment				

PA19.4	Describe and discuss the pathogenesis, pathology and the differentiating features of Hodgkin's and non-Hodgkin's lymphoma	K	KH	Y	1. At the end of the session the phase II students must be able to describe the pathogenesis and pathology of Hodgkins lymphoma. 2. At the end of the session the phase II students must be able to describe the pathogenesis and pathology of non Hodgkins lymphoma. 3. At the end of the session the phase II students must be able to describe the differentiation features of Hodgkins lymphoma and non Hodgkins lymphoma..	10.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA19.5	Identify and describe the features of Hodgkin's lymphoma in a gross and microscopic specimen	S	SH	Y	1. At the end of the session the phase II students must be able to describe the gross features of Hodgkins lymphoma. 2. At the end of the session the phase II students must be able to describe the microscopic features of Hodgkins lymphoma.	3/4/5.2.21	2.30 to 4.30pm	DOAP session	Skill assessment		General Surgery	
PA19.6	Enumerate and differentiate the causes of splenomegaly	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate at least 10 causes of splenomegaly.	3/4/5.2.21	2.30 to 4.30pm	DOAP session	Written/ Viva voce		General Surgery, General Medicine	
PA19.7	Identify and describe the gross specimen of an enlarged spleen	S	SH	Y	1. At the end of the session the phase II students must be able to identify and describe the gross features of enlarged spleen.	3/4/5.2.21	2.30 to 4.30pm	DOAP session	Skill assessment			
<b>Topic: Plasma cell disorders</b>												
PA20.1	Describe the features of plasma cell myeloma	S	SH	Y	1. At the end of the session the phase II students must be able to define plasma cells myeloma. 2. At the end of the session the phase II students must be able to describe the pathogenesis, genetics, clinical features and types of plasma cell myeloma. 3. At the end of the session the phase II students must be able to describe the peripheral smear and Bone marrow examination findings of plasma cells myeloma. 4. At the end of the session the phase II students must be able to describe the investigations needed for diagnosis of plasma cell myeloma. 5. At the end of the session the phase II students must be able to describe briefly about the treatment modalities of plasma cell myeloma.	12.02.21	8.30 to 9.30 am	Lecture	Skill assessment			
<b>Topic: Hemorrhagic disorders</b>												
PA21.1	Describe normal hemostasis	K	KH	Y	1. At the end of the session the phase II students must be able to describe the normal coagulation cascade. 2. At the end of the session the phase II students must be able to describe the components of normal coagulation cascade.	10/11/12.2.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA21.2	Classify and describe the etiology, pathogenesis and pathology of vascular and platelet disorders including ITP and haemophilia's	K	KH	Y	1. At the end of the session the phase II students must be able to describe the etiology, pathogenesis, clinical features, and hematology indices of ITP. 2. At the end of the session the phase II students must be able to describe the etiology, pathogenesis, clinical features, and hematology indices of hemophilia. 3. At the end of the session the phase II students must be able to describe the investigations needed to diagnostic vascular and platelet disorders. 4. At the end of the session the phase II students must be able to list the causes of coagulation disorders and platelet disorders.	17.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Pediatrics	

PA21.3	Differentiate platelet from clotting disorders based on the clinical and hematologic features	S	SH	Y	1. At the end of the session the phase II students must be able to describe the differentiating features of platelet and coagulation disorders on the basis of clinical features. 2. At the end of the session the phase II students must be able to describe the differentiating features of platelet and coagulation disorders on the basis of hematological features.	17.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA21.4	Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of disseminated intravascular coagulation	K	KH	Y	A. At the end of the session the phase II students must be able to define disseminated intravascular coagulation. B. At the end of the session the phase II students must be able to describe the pathogenesis of disseminated intravascular coagulation. C. At the end of the session the phase II students must be able to describe the laboratory findings of disseminated intravascular coagulation. D. At the end of the session the phase II students must be able to describe the diagnostic findings of disseminated intravascular coagulation.	19.02.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Medicine	
PA21.5	Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of Vitamin K deficiency	K	KH	Y	A. At the end of the session the phase II students must be able to describe the role of Vitamin K in coagulation. B. At the end of the session the phase II students must be able to describe the role of Vitamin K in deficiency. C. At the end of the session the phase II students must be able to describe clinical features and laboratory findings of Vitamin K in coagulation.	19.02.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Medicine	
<b>Topic: Blood banking and transfusion</b>												
PA22.1	Classify and describe blood group systems (ABO and RH)	K	KH	Y	A. At the end of the session the phase II students must be able to classify the different types of blood grouping system. B. At the end of the session the phase II students must be able to describe in detail about ABO blood grouping system. C. At the end of the session the phase II students must be able to describe in detail about Rh blood grouping system.	24.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce			
PA22.2	Enumerate the indications, describe the principles, enumerate and demonstrate the steps of compatibility testing	S	SH	Y	A. At the end of the session the phase II students must be able to enumerate the indication for compatibility testing. B. At the end of the session the phase II students must be able to describe the principle of compatibility testing. C. At the end of the session the phase II students must be able to describe the steps of compatibility testing. D. At the end of the session the phase II students must be able to demonstrate the steps of compatibility testing.	24.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Obstetrics & Gynaecology	
PA22.4	Enumerate blood components and describe their clinical uses	K	KH	Y	1. At the end of the session the phase II students must be able to enumerate the different types of blood components used in clinical practice. 2. At the end of the session the phase II students must be able to describe the clinical utility of each of the specific types of blood components.	24.02.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery, General Medicine	
PA22.5	Enumerate and describe infections transmitted by blood transfusion	K	KH	Y	A. At the end of the session the phase II students must be able to enumerate at least 10 examples of infections transmitted by blood transfusion.	26.02.21	8.30 to 9.30 am	Lecture	Written/ Viva voce			Microbiology
PA22.6	Describe transfusion reactions and enumerate the steps in the investigation of a transfusion reaction	K	KH	Y	A. At the end of the session the phase II students must be able to define transfusion reaction. B. At the end of the session the phase II students must be able to describe the different types of transfusion reaction. C. At the end of the session the phase II students must be able to enumerate the steps in the investigation of transfusion reaction.	26.02.21	8.30 to 9.30 am	Lecture	Written/ Viva voce		General Medicine	

PA22.7	Enumerate the indications and describe the principles and procedure of autologous transfusion	K	KH	Y	A.At the end of the session the phase II students must be able to enumerate the indications for autologous transfusion. B.At the end of the session the phase II students must be able to describe the principle of autologous transfusion. C. At the end of the session the phase II students must be able to describe the procedure of autologous transfusion.	03.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce			
<b>Topic: Clinical Pathology</b>												
<b>Number of competencies: (03)</b>												
PA23.1	Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen	S	SH	Y	A. At the end of the session the phase II students must be able to describe urinary findings including gross and microscopy of normal urine. B.At the end of the session the phase II students must be able to describe the abnormal urinary findings in various diseased stages. C. At the end of the session the phase II students must be able to describe the urinary findings in commonly encountered clinical conditions.	3/4/5.3.21	2.30 to 4.30pm	DOAP session	Skill Assessment			
PA23.2	Describe abnormal findings in body fluids in various disease states	K	KH	Y	A.At the end of the session the phase II students must be able to enumerate the various types of body fluids in the diagnostic service. B.At the end of the session the phase II students must be able to describe the abnormal findings encountered in the body fluid examination of the various diseases.	17/18/19.3.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce			
PA23.3	Describe and interpret the abnormalities in a panel containing semen analysis, thyroid function tests, renal function tests or liver function tests	S	SH	Y	A. At the end of the session the phase II students must be able to enumerate the components of semen analysis, thyroid function tests, renal function tests and liver function tests. B. At the end of the session the phase II students must be able to describe the normal values of the all the parameter in the above tests. C. At the end of the session the phase II students must be able to describe and identify the abnormal values in all the above test in various clinical conditions. D. At the end of the session the phase II students must be able to interpret the abnormal values and should be able to come to a definite diagnosis.	10/11/12.03.21	2.30 to 4.30pm	DOAP session	Skill Assessment			
<b>Topic: Gastrointestinal tract</b>												
<b>Number of competencies: (07)</b>												
PA24.1	Describe the etiology, pathogenesis, pathology and clinical features of oral cancers	K	KH	N	A. At the end of the session the phase II students must be able to define oral cancers. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis and clinical features.	04.03.21	9.30 to 10.30am	Lecture,	Written/ Viva voce			Dentistry
PA24.2	Describe the etiology, pathogenesis, pathology, microbiology, clinical and microscopic features of peptic ulcer disease	K	KH	Y	A. At the end of the session the phase II students must be able to define peptic ulcer. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis and clinical features. C. At the end of the session the phase II students must be able to describe the gross features of peptic ulcer.	10.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce			General Medicine
PA24.3	Describe and identify the microscopic features of peptic ulcer	S	SH	Y	A. At the end of the session the phase II students must be able to discuss the microscopic features and complication of peptic ulcer.	10.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce			General Medicine
PA24.4	Describe and etiology and pathogenesis and pathologic features of carcinoma of the stomach	K	KH	Y	A. At the end of the session the phase II students must be able to discuss the etiology and risk features of carcinoma stomach. B. At the end of the session the phase II students must be able to describe the pathogenesis of it. C. At the end of the session the phase II students must be able to detail about the gross and microscopic features.	11.03.21 24/25/26.03.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture, SGT/Tu/SDL/Pr	Written/ Viva voce			General Surgery

PA24.5	Describe and etiology and pathogenesis and pathologic features of Tuberculosis of the intestine	K	KH	N	A. At the end of the session the phase II students must be able to discuss the etiopathogenesis of intestinal tuberculosis. B. At the end of the session the phase II students must be able to list the morphological changes of affected organ. C. At the end of the session the phase II students must be able to enumerate the complications.	9.1.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Surgery	
PA24.6	Describe and etiology and pathogenesis and pathologic and distinguishing features of Inflammatory bowel disease	K	KH	Y	A. At the end of the session the phase II students must be able to define Inflammatory bowel disease. B. At the end of the session the phase II students must be able to classify and pathogenesis of inflammatory bowel disease. C. At the end of the session the phase II students must be able to distinguish the morphological features and complications of Inflammatory bowel disease.	17.03.21 31/3. 1/2.4.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture, SGT/Tu/SDL	Written/ Viva voce		General Surgery	
PA24.7	Describe the etiology, pathogenesis, pathology and distinguishing features of carcinoma of the colon	K	KH	Y	A. At the end of the session the phase II students must be able to discuss the etiopathogenesis of carcinoma colon. B. At the end of the session the phase II students must be able to distinguish the morphological features and clinical features of carcinoma colon.	18.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
<b>Topic: Hepatobiliary system</b>										<b>Number of procedures that require</b>		
PA25.1	Describe bilirubin metabolism, enumerate the etiology and pathogenesis of jaundice, distinguish between direct and indirect hyperbilirubinemia	K	KH	Y	A. At the end of the session the phase II students must be able to define jaundice. B. At the end of the session the phase II students must be able to describe bilirubin metabolism and differences between direct and indirect hyperbilirubinemia. C. At the end of the session the phase II students must be able to enumerate the etiology of jaundice.	23.1.21	8.30 to 10.30 am	IL	Written/ Viva voce		Biochemistry, General Medicine	
PA25.2	Describe the pathophysiology and pathologic changes seen in hepatic failure and their clinical manifestations, complications and consequences	K	KH	Y	A. At the end of the session the phase II students must be able to describe the pathophysiology of hepatic failure. B. At the end of the session the phase II students must be able to enumerate the clinical features and complications.	30.1.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine, General Surgery	
PA25.3	Describe the etiology and pathogenesis of viral and toxic hepatitis: distinguish the causes of hepatitis based on the clinical and laboratory features. Describe the pathology, complications and consequences of hepatitis	K	KH	Y	A. At the end of the session the phase II students must be able to define hepatitis. B. At the end of the session the phase II students must be able to enumerate the causes of hepatitis. C. At the end of the session the phase II students must be able to distinguish the causes of hepatitis on clinical and laboratory findings. D. At the end of the session the phase II students must be able to add a note on the pathogenesis and complications of hepatitis.	30.1.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	
PA25.4	Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis	K	KH	Y	A. At the end of the session the phase II students must be able to define alcoholic liver disease. B. At the end of the session the phase II students must be able to describe the pathogenesis and progression of alcoholic liver disease. C. At the end of the session the phase II students must be able to discuss the morphological changes of the organ.	24.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine, General Surgery	
PA25.5	Describe the etiology, pathogenesis and complications of portal hypertension	K	KH	Y	A. At the end of the session the phase II students must be able to define portal hypertension. B. At the end of the session the phase II students must be able to enumerate the etiology of portal hypertension. C. At the end of the session the phase II students must be able to discuss the pathogenesis and complication of portal hypertension.	25.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine, General Surgery	

PA25.6	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests	S	P	Y	A. At the end of the session the phase II students must be able to tabulate liver function test. B. At the end of the session the phase II students must be able to distinguish types of jaundice in clinical features and liver function test.	13.2.21	8.30 to 10.30 am	SGT/Tu/SDL DOAP	Skill assessment	1	General Medicine	
<b>Topic: Respiratory system</b>												
PA26.1	Define and describe the etiology, types, pathogenesis, stages, morphology and complications of pneumonia	K	KH	Y	A. At the end of the session the phase II students must be able to define pneumonia. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis of the pneumonia. C. At the end of the session the phase II students must be able to enumerate the stages and complications of the affected organ.	31.03.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	Microbiology
PA26.2	Describe the etiology, gross and microscopic appearance and complications of lung abscess	K	KH	Y	A. At the end of the session the phase II students must be able to define lung abscess. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis of lung abscess. C. At the end of the session the phase II students must be able to enumerate the microscopic features and complications.	01.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	Microbiology
PA26.3	Define and describe the etiology, types, pathogenesis, stages, morphology and complications and evaluation of Obstructive airway disease (OAD) and bronchiectasis	K	KH	Y	A. At the end of the session the phase II students must be able to define obstructive airway disease and bronchiectasis. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis and stages. C. At the end of the session the phase II students must be able to brief about the morphological changes and complications of the lesion.	13.2.21	8.30 to 10.30 am	SGT/Tu/SDL DOAP	Written/ Viva voce		Physiology, Medicine	Microbiology
PA26.4	Define and describe the etiology, types, pathogenesis, stages, morphology microscopic appearance and complications of tuberculosis	K	KH	Y	A. At the end of the session the phase II students must be able to define tuberculosis. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis of tuberculosis. C. At the end of the session the phase II students must be able to discuss the morphological changes of affected organ. D. At the end of the session the phase II students must be able to enumerate the clinical features and complications.	13.2.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	Microbiology
PA26.5	Define and describe the etiology, types, exposure, environmental influence, pathogenesis, stages, morphology, microscopic appearance and complications of Occupational lung disease	K	KH	Y	1. At the end of the session the phase II students must be able to define occupational lung disease. 2. At the end of the session the phase II students must be able to discuss the etiopathogenesis with types of exposure and stages. 3. At the end of the session the phase II students must be able to write briefly about the morphological changes in lung and its complications.	13.2.21	8.30 to 10.30 am	IL	Written / Viva voce		General Medicine, Community Medicine	
PA26.6	Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, stages, morphology, microscopic appearance, metastases and complications of tumors of the lung and pleura	K	KH	Y	A. At the end of the session the phase II students must be able to discuss the etiopathogenesis of lung tumour. B. At the end of the session the phase II students must be able to enumerate the classification and gross of the affected organ. C. At the end of the session the phase II students must be able to write briefly about the morphological organ changes and its complications.	07.04.21 7/8/9.4.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Medicine	

PA26.7	Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, morphology, microscopic appearance and complications of mesothelioma	K	KH	N	A. At the end of the session the phase II students must be able to define mesothelioma. B. At the end of the session the phase II students must be able to discuss the etiopathogenesis and classification of the tumour. C. At the end of the session the phase II students must be able to write briefly about the morphological changes and complications of mesothelioma	08.04.21	9.30 to 10.30am	Lecture	Written / Viva voce		General Medicine, Community Medicine	
<b>Topic: Cardiovascular system</b>												
PA27.1	Distinguish arteriosclerosis from atherosclerosis. Describe the pathogenesis and pathology of various causes and types of arteriosclerosis	K	KH	Y	A. At the end of the session the phase II students must be able to define atherosclerosis. B. At the end of the session the phase II students must be able to discuss the pathogenesis and stages of it. C. At the end of the session the phase II students must be able to list the complications of atherosclerosis	15.04.21 14/15/16.421	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Medicine	
PA27.2	Describe the etiology, dynamics, pathology types and complications of aneurysms including aortic aneurysms	K	KH	Y	A. At the end of the session the phase II students must be able to define aneurysms. B. At the end of the session the phase II students must be able to discuss this types and causes of aneurysms. C. At the end of the session the phase II students must be able to briefly about the complications of it. D. At the end of the session the phase II students must be able to enumerate about the complications and pathogenesis of anti aneurysms.	15.04.21 14/15/16.421	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Medicine	
PA27.3	Describe the etiology, types, stages pathophysiology, pathology and complications of heart failure	K	KH	Y	A. At the end of the session the phase II students must be able to describe the etiology of heart failure. B. At the end of the session the phase II students must be able to enlist the types of heart failure. C. At the end of the session the phase II students must be able to describe the stages and pathophysiology of heart failure. D. At the end of the session the phase II students must be able to enlist the complications and describe the pathology of heart failure.	22.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine, Physiology	
PA27.4	Describe the etiology, pathophysiology, pathology, gross and microscopic features, criteria and complications of rheumatic fever	K	KH	Y	A. At the end of the session the phase II students must be able to describe the etiology and pathophysiology of rheumatic fever. B. At the end of the session the phase II students must be able to describe the gross and microscopic features of rheumatic fever. C. At the end of the session the phase II students must be able to enlist the criteria and complications of rheumatic fever.	21.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	Microbiology
PA27.5	Describe the epidemiology, risk factors, etiology, pathophysiology, pathology, presentations, gross and microscopic features, diagnostic tests and complications of ischemic heart disease	K	KH	Y	A. At the end of the session the phase II students must be able to describe the epidemiology, etiology, pathophysiology, pathology and presentation of ischemic heart disease. B. At the end of the session the phase II students must be able to enlist the risk factor if ischemic heart disease. C. At the end of the session the phase II students must be able to describe the gross and microscopic features of ischemic heart disease. D. At the end of the session the phase II students must be able to list the diagnostic tests available and the complications of ischemic heart disease.	21.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	



PA27.6	Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of infective endocarditis	K	KH	Y	A. At the end of the session the phase II students must be able to describe the etiology, pathophysiology and pathology of infective endocarditis. B. At the end of the session the phase II students must be able to describe the gross and microscopic features of infective endocarditis. C. At the end of the session the phase II students must be able to describe the diagnostic criteria for infective endocarditis. D. At the end of the session the phase II students must be able to enlist the complications of infective endocarditis.	21/22/23.04.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	Microbiology
PA27.7	Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of pericarditis and pericardial effusion	K	KH	Y	A. At the end of the session the phase II students must be able to describe the etiology, pathophysiology and pathology of pericarditis and pericardial effusion. B. At the end of the session the phase II students must be able to describe the gross and microscopic features of pericarditis and pericardial effusion. C. At the end of the session the phase II students must be able to enlist the complications of pericarditis and pericardial effusion.	28./29/30.4.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
PA27.8	Interpret abnormalities in cardiac function testing in acute coronary syndromes	S	SH	Y	A. At the end of the session the phase II students must be able to interpret the abnormalities in cardiac function testing in acute coronary syndromes.			DOAP session	Skill Assessment		Physiology, General Medicine	
PA27.9	Classify and describe the etiology, types, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of cardiomyopathies	K	KH	N	A. At the end of the session the phase II students must be able to classify cardiomyopathies. B. At the end of the session the phase II students must be able to describe the etiology, pathophysiology and pathology of various types of cardiomyopathies. C. At the end of the session the phase II students must be able to describe the gross and microscopic features of infective cardiomyopathies. D. At the end of the session the phase II students must be able to describe the diagnosis and complications of cardiomyopathies	28.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine, Physiology	
PA27.10	Describe the etiology, pathophysiology, pathology features and complications of syphilis on the cardiovascular system	K	KH	N	A. At the end of the session the phase II students must be able to describe the etiology, pathophysiology and pathology of syphilis as the cardiovascular system. B. At the end of the session the phase II students must be able to describe the clinical and pathological features and complications of syphilis as the cardiovascular systems.	28.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	Microbiology
<b>Topic: Urinary Tract</b>											<b>Number of procedures that</b>	
PA28.1	Describe the normal histology of the kidney	K	K	Y	A. At the end of the session the phase II students must be able to describe the normal histology of kidney B. At the end of the session the phase II students must be able to identify the morphology of the given slides.	9/10/11.6.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce			
PA28.2	Define, classify and distinguish the clinical syndromes and describe the etiology, pathogenesis, pathology, morphology, clinical and laboratory and urinary findings, complications of renal failure	K	KH	Y	A. At the end of the session the phase II students must be able to define and classify the clinical syndromes associated with renal disease. B. At the end of the session the phase II students must be able to distinguish the features of nephritic and nephritic syndromes. C. At the end of the session the phase II students must be able to describe the pathogenesis of renal failure D. At the end of the session the phase II students must be able to list out the laboratory findings of urine in renal failure with syndromes. E. At the end of the session the phase II students must be able to discuss the complications of renal failure.	27.02.21	8.30 to 10.30 am	IL	Written/ Viva voce			

PA28.3	Define and describe the etiology, precipitating factors, pathogenesis, pathology, laboratory urinary findings, progression and complications of acute renal failure	K	KH	Y	A. At the end of the session the phase II students must be able to define acute renal failure. B. At the end of the session the phase II students must be able to describe the etiopathogenesis and complications of acute renal failure. C. At the end of the session the phase II students must be able to list out the common lab feature of urine sample in acute renal failure.	27.02.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	
PA28.4	Define and describe the etiology, precipitating factors, pathogenesis, pathology, laboratory urinary findings progression and complications of chronic renal failure	K	KH	Y	A. At the end of the session the phase II students must be able to define chronic renal failure. 2. At the end of the session the phase II students must be able to describe the etiopathogenesis and complications of chronic renal failure. 3. At the end of the session the phase II students must be able to list out the common lab feature of urine sample in chronic renal failure.	27.02.21	8.30 to 10.30 am	IL	Written/ Viva voce		General Medicine	
PA28.5	Define and classify glomerular diseases. Enumerate and describe the etiology, pathogenesis, mechanisms of glomerular injury, pathology, distinguishing features and clinical manifestations of glomerulonephritis	K	KH	Y	A. At the end of the session the phase II students must be able to define glomerular disease. B. At the end of the session the phase II students must be able to describe the etiopathogenesis of glomerular injury. C. At the end of the session the phase II students must be able to distinguish the feature and clinical manifestation of glomerulonephritis	29.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Physiology, General Medicine	
PA28.6	Define and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, progression and complications of IgA nephropathy	K	KH	Y	A. At the end of the session the phase II students must be able to define IgA nephropathy. B. At the end of the session the phase II students must be able to Enumerate the pathogenesis of IgA nephropathy. C. At the end of the session the phase II students must be able to describe the lab findings of IgA nephropathy. D. At the end of the session the phase II students must be able to explain the prognosis and complication of the disease.	29.04.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA28.7	Enumerate and describe the findings in glomerular manifestations of systemic disease	K	KH	Y	A. At the end of the session the phase II students must be able to enumerate the glomerular manifestation of systemic disease. B. At the end of the session the phase II students must be able to describe the	05.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA28.8	Enumerate and classify diseases affecting the tubular interstitium	K	KH	Y	A. At the end of the session the phase II students must be able to enumerate the diseases affecting the tubular interstitium. B. At the end of the session the phase II students must be able to classify the tubular interstitial disease	23/24/25.6.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	
PA28.9	Define and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, progression and complications of acute tubular necrosis	K	KH	Y	A. At the end of the session the phase II students must be able to define acute tubular necrosis. B. At the end of the session the phase II students must be able to Enumerate the pathogenesis of acute tubular necrosis. C. At the end of the session the phase II students must be able to describe the lab findings of acute tubular necrosis. D. At the end of the session the phase II students must be able to explain the prognosis and complication of the acute tubular necrosis.	23/24/25.6.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		General Medicine	

PA28.10	Describe the etiology, pathogenesis, pathology, laboratory findings, distinguishing features progression and complications of acute and chronic pyelonephritis and reflux nephropathy	K	KH	Y	A. At the end of the session the phase II students must be able to define chronic pyelonephritis and reflux nephropathy. B. At the end of the session the phase II students must be able to Enumerate the pathogenesis of chronic pyelonephritis and reflux nephropathy. C. At the end of the session the phase II students must be able to describe the lab findings of chronic pyelonephritis and reflux nephropathy. D. At the end of the session the phase II students must be able to distinguishing features of the chronic pyelonephritis and reflux nephropathy	23/24/25.6.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Human Anatomy, General Surgery	
PA28.11	Define classify and describe the etiology, pathogenesis pathology, laboratory, urinary findings, distinguishing features progression and complications of vascular disease of the kidney	K	KH	Y	A. At the end of the session the phase II students must be able to define vascular disease of kidney. B. At the end of the session the phase II students must be able to describe the etiopathogenesis of vascular disease of kidney. C. At the end of the session the phase II students must be able to distinguish the feature and clinical manifestation of vascular disease of kidney.	06.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
PA28.12	Define classify and describe the genetics, inheritance, etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features, progression and complications of cystic disease of the kidney	K	KH	Y	A. At the end of the session the phase II students must be able to define and classify cystic disease of kidney. B. At the end of the session the phase II students must be able to describe the genetics of cystic disease of kidney. C. At the end of the session the phase II students must be able to enumerate the etiopathogenesis of cystic disease of kidney. D. At the end of the session the phase II students must be able to discuss about the prognosis and complication of cystic disease of kidney.	06.05.21 5/6/7.5.21	9.30 to 10.30am 2.30 to 3.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		General Medicine, Pediatrics	
PA28.13	Define classify and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features progression and complications of renal stone disease and obstructive uropathy	K	KH	Y	A. At the end of the session the phase II students must be able to define of renal stone disease and obstructive uropathy. B. At the end of the session the phase II students must be able to describe the etiopathogenesis of renal stone disease and obstructive uropathy. C. At the end of the session the phase II students must be able to distinguish the feature and clinical manifestation of renal stone disease and obstructive uropathy	12/13/14.05.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Surgery	
PA28.14	Classify and describe the etiology, genetics, pathogenesis, pathology, presenting features, progression and spread of renal tumors	K	KH	Y	A. At the end of the session the phase II students must be able to define of renal tumors. B. At the end of the session the phase II students must be able to describe the etiopathogenesis of renal tumors. C. At the end of the session the phase II students must be able to distinguish the feature and clinical manifestation of renal tumors.	12.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Pediatrics	
PA28.15	Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of thrombotic angiopathies	K	KH	N	A. At the end of the session the Phase II students should be able to enumerate the etiology of thrombotic angiopathies. B. At the end of the session the Phase II students should be able to describe the pathogenesis of different thrombotic angiopathies. C. At the end of the session the Phase II students should be able to discuss the morphological changes and clinical features of different thrombotic angiopathies	19/20/21.05.21	2.30 to 3.30pm	SGT/Tu/SDL	Written/ Viva voce		General Medicine	
PA28.16	Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of urothelial tumors	K	KH	N	A. At the end of the session the Phase II students should be able to enumerate the etiology of urothelial tumors. B. At the end of the session the Phase II students should be able to classify urothelial tumors. C. At the end of the session the Phase II students should be able to describe pathogenesis, morphology and clinical features of urothelial tumors.	13.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	

<b>Topic: Male Genital Tract</b>		<b>Number of competencies: (05)</b>			<b>Number of procedures that require certification: (NIL)</b>							
PA29.1	Classify testicular tumors and describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of testicular tumors	K	KH	Y	A. At the end of the session the Phase II students should be able to classify the testicular tumors. B. At the end of the session the Phase II students should be able to describe pathogenesis, morphology and clinical features of testicular tumors C. At the end of the session the Phase II students should be able to describe the distinguishing features of types of testicular tumours and diagnostic tests of testicular tumors	19.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA29.2	Describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the penis	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, morphology and clinical features of carcinoma penis B. At the end of the session the Phase II students should be able to describe the distinguishing features, diagnostic tests and spread of carcinoma penis	19.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA29.3	Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, urologic findings & diagnostic tests of benign prostatic hyperplasia	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, hormonal dependency presenting of benign prostatic hyperplasia. B. At the end of the session the Phase II students should be able to describe the distinguishing features, diagnostic tests and spread of benign prostatic hyperplasia.	26/27/28.5.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce		General Surgery	
PA29.4	Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the prostate	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, hormonal dependency presenting of carcinoma prostate. B. At the end of the session the Phase II students should be able to describe the distinguishing features, diagnostic tests and spread of carcinoma prostate	20.05.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA29.5	Describe the etiology, pathogenesis, pathology and progression of prostatitis	K	KH	N	A. At the end of the session the Phase II students should be able to describe pathogenesis, pathology of prostatitis. B. At the end of the session the Phase II students should be able to describe progression of prostatitis.	2/3/4.6.21	2.30 to 4.30pm	SGT/Tu/SDL	Written/ Viva voce		General Surgery	
<b>Topic: Female Genital Tract</b>		<b>Number of competencies: (09)</b>			<b>Number of procedures that require certification : (NIL)</b>							
PA30.1	Describe the epidemiology, pathogenesis, etiology, pathology, screening, diagnosis and progression of carcinoma of the cervix	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, etiology, pathology of carcinoma cervix. B. At the end of the session the Phase II students should be able to enumerate the screening tests and diagnostic tests of carcinoma cervix.	26.05.21 16/17/18.6.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.2	Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the endometrium	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, pathology of carcinoma endometrium. B. At the end of the session the Phase II students should be able to describe diagnosis, progression and spread of carcinoma endometrium.	27.05.21 30.6.21 1/2.7.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.3	Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the leiomyomas and leiomyosarcomas	K	KH	Y	A. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, diagnosis of leiomyomas. B. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, diagnosis of leiomyosarcomas.	2.06.21 7/8/9.7.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	

PA30.4	Classify and describe the etiology, pathogenesis, pathology, morphology, clinical course, spread and complications of ovarian tumors	K	KH	Y	A. At the end of the session the Phase II students should be able to classify the ovarian tumours. B. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, morphology of ovarian tumours. C. At the end of the session the Phase II students should be able to describe clinical features, complications of ovarian tumours.	3.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.5	Describe the etiology, pathogenesis, pathology, morphology, clinical course, spread and complications of gestational trophoblastic neoplasms	K	KH	Y	A. At the end of the session the Phase II students should be able to classify trophoblastic tumours. B. At the end of the session the Phase II students should be able to describe pathogenesis, pathology, morphology of trophoblastic tumours.	09.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.6	Describe the etiology and morphologic features of cervicitis	K	KH	N	A. At the end of the session the Phase II students should be able to enumerate the etiology of cervicitis. B. At the end of the session the Phase II students should be able to describe pathogenesis, morphology of cervicitis.	7/8/9.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.7	Describe the etiology, hormonal dependence, features and morphology of endometriosis	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, hormonal dependence of endometriosis. B. At the end of the session the Phase II students should be able to describe the clinical features and morphology of endometriosis	7/8/9.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.8	Describe the etiology and morphologic features of adenomyosis	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology of adenomyosis. B. At the end of the session the Phase II students should be able to describe the morphology of adenomyosis.	7/8/9.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
PA30.9	Describe the etiology, hormonal dependence and morphology of endometrial hyperplasia	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, hormonal dependence of endometrial hyperplasia. B. At the end of the session the Phase II students should be able to describe the morphology of endometrial hyperplasia.	7/8/9.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Obstetrics & Gynaecology	
<b>Topic: Breast</b>		<b>Number of competencies: (04)</b>			<b>Number of procedures that require certification: (NIL)</b>							
PA31.1	Classify and describe the types, etiology, pathogenesis, pathology and hormonal dependency of benign breast disease	K	KH	Y	A. At the end of the session the Phase II students should be able to classify benign breast disease. B. At the end of the session the Phase II students should be able to describe the etiology, hormonal dependence of benign breast disease.	10.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Human Anatomy, General Surgery	
PA31.2	Classify and describe the epidemiology, pathogenesis, classification, morphology, prognostic factors, hormonal dependency, staging and spread of carcinoma of the breast	K	KH	Y	A. At the end of the session the Phase II students should be able to classify ca breast. B. At the end of the session the Phase II students should be able to describe the etiology, hormonal dependence of carcinoma breast. C. At the end of the session the Phase II students should be able to describe the prognostic factors of carcinoma breast.	10.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA31.3	Describe and identify the morphologic and microscopic features of carcinoma of the breast	S	SH	N	A. At the end of the session the Phase II students should be able to identify the morphology of types of carcinoma breast. B. At the end of the session the Phase II students should be able to describe the microscopic features of ca breast.	10.06.21	9.30 to 10.30am	Lecture	Skill Assessment		General Surgery	
PA31.4	Enumerate and describe the etiology, hormonal dependency and pathogenesis of gynecomastia	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, hormonal dependence of gynecomastia. B. At the end of the session the Phase II students should be able to describe the pathogenesis of gynecomastia.	10.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Pediatrics, General Medicine	

Topic: Endocrine system		Number of competencies: (09)			Number of procedures that require certification : (NIL)							
PA32.1	Enumerate, classify and describe the etiology, pathogenesis, pathology and iodine dependency of thyroid swellings	K	KH	Y	A. At the end of the session the Phase II students should be able to enumerate causes of various types of thyroid swellings. B. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, pathology and iodine dependency of thyroid swellings	14/15/16.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Human Anatomy, Physiology, General Medicine, General Surgery	
PA32.2	Describe the etiology, cause, iodine dependency, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the etiology, cause, iodine dependency, pathogenesis of thyrotoxicosis. B. At the end of the session the Phase II students should be able to describe the manifestations, laboratory and imaging features and course of thyrotoxicosis	14/15/16.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Physiology, General Medicine	
PA32.3	Describe the etiology, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis/hypothyroidism	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, manifestations of thyrotoxicosis/hypothyroidism B. At the end of the session the Phase II students should be able to describe the laboratory and imaging features and course of thyrotoxicosis/hypothyroidism and do a clinical correlation	14/15/16.7.21	2.30 to 4.30pm	SGT/Tu/SDL/Pr	Written/ Viva voce		Physiology, General Medicine	
PA32.4	Classify and describe the epidemiology, etiology, pathogenesis, pathology, clinical laboratory features, complications and progression of diabetes mellitus	K	KH	Y	A. At the end of the session the Phase II students should be able to Classify and describe the epidemiology, etiology, pathogenesis, pathology of diabetes mellitus B. At the end of the session the Phase II students should be able to describe the clinical laboratory features, complications and progression of diabetes mellitus and do a clinical correlation.	16.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Physiology, General Medicine	
PA32.5	Describe the etiology, genetics, pathogenesis, manifestations, laboratory and morphologic features of hyperparathyroidism	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, genetics, pathogenesis, manifestations of hyperparathyroidism B. At the end of the session the Phase II students should be able to interpret the laboratory features and identify the morphologic features of hyperparathyroidism	16.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Physiology, General Medicine	
PA32.6	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications and metastases of pancreatic cancer	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, manifestations of pancreatic cancer B. At the end of the session the Phase II students should be able to interpret the laboratory features and identify the morphologic features, complications and metastases of pancreatic cancer	17.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Surgery	
PA32.7	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications of adrenal insufficiency	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, manifestations of adrenal insufficiency B. At the end of the session the Phase II students should be able to interpret the laboratory features and identify the morphologic features, complications of adrenal insufficiency	24.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Physiology, General Medicine	
PA32.8	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications of Cushing's syndrome	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, manifestations of Cushing's syndrome B. At the end of the session the Phase II students should be able to interpret the laboratory features and identify the morphologic features and complications of Cushing's syndrome	24.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Physiology, General Medicine	

PA32.9	Describe the etiology, pathogenesis, manifestations, laboratory and morphologic features of adrenal neoplasms	K	KH	N	A. At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, manifestations of adrenal neoplasms B. At the end of the session the Phase II students should be able to interpret the laboratory features and identify the morphologic features of adrenal neoplasms.	23.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Human Anatomy, Physiology, General Medicine, General Surgery	
<b>Topic: Bone and soft tissue</b>		<b>Number of competencies: (05)</b>			<b>Number of procedures that require certification : (NIL)</b>							
PA33.1	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of osteomyelitis	K	KH	Y	A. At the end of the session the Phase II students should be able to classify and describe the etiology, pathogenesis, manifestations of osteomyelitis B. At the end of the session the Phase II students should be able to interpret the radiologic features and identify the morphologic features and complications of adrenal neoplasms.	30.06.21	9.30 to 10.30am	Lecture,	Written/ Viva voce		Human Anatomy, Orthopaedics	Microbiology
PA33.2	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of bone tumors	K	KH	Y	A. At the end of the session the Phase II students should be able to classify and describe the etiology, pathogenesis, manifestations of bone tumors. B. At the end of the session the Phase II students should be able to interpret the radiologic features and identify the morphologic features and complications and metastases of bone tumors and do a clinical correlation.	30.06.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Orthopaedics	
PA33.3	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of soft tissue tumors	K	KH	Y	A. At the end of the session the Phase II students should be able to classify and describe the etiology, pathogenesis, manifestations of soft tissue tumors. B. At the end of the session the Phase II students should be able to interpret the radiologic features and identify the morphologic features and complications and metastases of soft tissue tumors.	1.07.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Orthopaedics	
PA33.4	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of Paget's disease of the bone	K	KH	N	A. At the end of the session the Phase II students should be able to classify and describe the etiology, pathogenesis, manifestations of Paget's disease of the bone B. At the end of the session the Phase II students should be able to interpret the radiologic features and identify the morphologic features and complications of Paget's disease of the bone.	7.7.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Orthopaedics	
PA33.5	Classify and describe the etiology, immunology, pathogenesis, manifestations, radiologic and laboratory features, diagnostic criteria and complications of rheumatoid arthritis	K	KH	N	A. At the end of the session the Phase II students should be able to classify and describe the etiology, immunology, pathogenesis, manifestations, diagnostic criteria of rheumatoid arthritis. B. At the end of the session the Phase II students should be able to interpret the radiologic and laboratory features and identify the morphologic features and complications of rheumatoid arthritis and do a clinical correlation.	8.7.21	9.30 to 10.30am	Lecture	Written/ Viva voce		General Medicine	
<b>Topic: Skin</b>		<b>Number of competencies: (04)</b>			<b>Number of procedures that require certification:(NIL)</b>							
PA34.1	Describe the risk factors pathogenesis, pathology and natural history of squamous cell carcinoma of the skin	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the risk factors pathogenesis, pathology of squamous cell carcinoma of the skin. B. At the end of the session the Phase II students should be able to describe the natural history of squamous cell carcinoma of the skin.	14.7.21 21/22/23.7.21	9.30 to 10.30am 2.30 to 4.30pm	Lecture SGT/Tu/SDL	Written/ Viva voce		Dermatology, Venereology & Leprosy	
PA34.2	Describe the risk factors pathogenesis, pathology and natural history of basal cell carcinoma of the skin	K	KH	Y	A. At the end of the session the Phase II students should be able to describe the risk factors pathogenesis, pathology of basal cell carcinoma of the skin. B. At the end of the session the Phase II students should be able to describe the natural history of basal cell carcinoma of the skin.	15.7.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Dermatology, Venereology & Leprosy	

PA34.3	Describe the distinguishing features between a nevus and melanoma. Describe the etiology, pathogenesis, risk factors morphology clinical features and metastases of melanoma	K	KH	N	A.At the end of the session the Phase II students should be able to describe the distinguishing features between a nevus and melanoma. B.At the end of the session the Phase II students should be able to describe the etiology, pathogenesis, risk factors morphology clinical features and metastases of melanoma.	21.7.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Dermatology, Venereology & Leprosy	
PA34.4	Identify, distinguish and describe common tumors of the skin	S	SH	N	A.At the end of the session the Phase II students should be able to identify, distinguish the common tumors of the skin. B.At the end of the session the Phase II students should be able to describe the common tumors of the skin.	22.7.21	9.30 to 10.30am	Lecture	Skill Assessment		Dermatology, Venereology & Leprosy	
<b>Topic: Central Nervous System</b>												
				<b>Number of competencies:(03)</b>			<b>Number of procedures that require certification: (01)</b>					
PA35.1	Describe the etiology, types and pathogenesis, differentiating factors, CSF findings in meningitis	K	KH	Y	A.At the end of the session the Phase II students should be able to describe the etiology, types and pathogenesis of meningitis. B.At the end of the session the Phase II students should be able to describe the differentiating factors, CSF findings in meningitis.	28/29/30.7.21	2.30 to 4.30pm	DOAP	Written/ Viva voce		General Medicine	Microbiology
PA35.2	Classify and describe the etiology, genetics, pathogenesis, pathology, presentation sequelae and complications of CNS tumors	K	KH	Y	A.At the end of the session the Phase II students should be able to classify and describe the etiology, genetics, pathogenesis, pathology of CNS tumors. B.At the end of the session the Phase II students should be able to describe the clinical features, presentation sequelae and complications of CNS tumors.	28.7.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Pediatrics	
PA35.3	Identify the etiology of meningitis based on given CSF parameters	S	P	Y	A.At the end of the session the Phase II students should be able to identify the etiology of meningitis based on given CSF parameters and do a clinical correlation.	28/29/30.7.21	2.30 to 4.30pm	DOAP	Skill Assessment	1	General Medicine	Microbiology
<b>Topic: Eye</b>												
				<b>Number of competencies: (01)</b>			<b>Number of procedures that require certification:(NIL)</b>					
PA36.1	Describe the etiology, genetics, pathogenesis, pathology, presentation, sequelae and complications of retinoblastoma	K	KH	N	A.At the end of the session the Phase II students should be able to describe the etiology, genetics, pathogenesis, pathology of retinoblastoma. B.At the end of the session the Phase II students should be able to describe the clinical presentation, sequelae and complications of retinoblastoma.	29.1.21	9.30 to 10.30am	Lecture	Written/ Viva voce		Ophthalmolog y	