PHYSIOLOGY TIME TABLE FOR 2019-20
(NEW CURRICULUM)

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
	Number of competencies: (09)							
03/09/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe the structure and functions of a mammalian cell	K	KH	Lecture, Small group discussion	Written/Viva voce			
04/09/19 (Wednesday) 08-09am 10-11am 02-04pm	Describe and discuss the principles of homeostasis	K	KH	Lecture, Small group discussion	Written/Viva voce			
05/09/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe intercellular communication	K	KH	Lecture, Small group discussion	Written/Viva voce			
06/09/19 (Friday) 09-10am 11-01pm 02-04pm	Describe apoptosis – programmed cell death	K	KH	Lecture, Small group discussion	Written/Viva voce		Pathology	
07/09/19 (Saturday) 10-11am	Describe and discuss transport mechanisms across cell membranes	K	KH	Lecture, Small group discussion	Written/Viva voce			
9/09/19(Monday) 09-10am 02-04pm	Describe the fluid compartments of the body, its ionic composition & measurements	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
11/09/19(Wednesday) 08-09am 10-11am 02-04pm	Describe the concept of pH & Buffer systems in the body	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
12/09/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	K	KH	Lecture, Small group discussion	Written/Viva voce			

13/09/19 (Friday) 09-10am 11-01pm 02-04pm	Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research.	K	KH	Lecture, Small group discussion	Written/Viva voce			

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
14/09/19(Saturday) 10-11am	Describe the composition and functions of blood components	K	KH	Lecture, Small group discussion	Written/Viva voce			
16/09/19(Monday) 09-10am 02-04pm	Discuss the origin, forms, variations and functions of plasma proteins	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
17/09/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
18/09/19 (Wednesday) 08-09am 10-11am 02-04pm	Describe RBC formation (erythropoiesis & its regulation) and its functions	K	KH	Lecture, Small group discussion	Written/Viva voce			
19/09/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe different types of anaemias & Jaundice	K	KH	Lecture, Small group discussion	Written/Viva voce		Pathology	Biochemistry
20/09/19 (Friday) 09-10am 11-01pm 02-04pm	Describe WBC formation (granulopoiesis) and its regulation	K	KH	Lecture, Small group discussion	Written/Viva voce			
21/09/19 (Saturday) 10-11am	Describe the formation of platelets, functions and variations.	K	KH	Lecture, Small group discussion	Written/Viva voce			
23/09/19(Monday) 09-10am 02-04pm	Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)	K	KH	Lecture, Small group discussion	Written/Viva voce		Pathology	
24/09/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	K	KH	Lecture, Small group discussion, ECE- Visit to blood bank	Written/Viva voce		Pathology	
25/09/19 (Wednesday) 08-09am 10-11am 02-04pm	Define and classify different types of immunity. Describe the development of immunity and its regulation	K	KH	Lecture, Small group discussion	Written/Viva voce			

26/09/19 (Thursday) 8-09am 2-04pm 04-05pm	Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	S	SH	DOAP sessions	Practical/OSPE/Viva voce		Pathology	
27/09/19 (Friday) 09-10am 11-01pm 02-04pm	Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	K	KH	Demonstration	Written /Viva voce		Pathology	
30/09/19 (Monday) 09-10am 02-04pm								
01/10/19((Tuesday) 10-11am, 02-04pm 04-05pm								

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
03/10/19(Thursday) 8-09am 2-04pm 04-05pm	Describe steps for reticulocyte and platelet count	K	KH	Demonstration sessions	Written /Viva voce		Pathology	
04/10/19(Friday) 09-10am 11-01pm 02-04pm	Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
05/10/19(Saturday) 10-11am	Describe the types, functions & properties of nerve fibers	K	KH	Lecture, Small group discussion	Written/Viva voce			
9/10/19(Wednesday) 08-09am 10-11am 02-04pm	Describe the degeneration and regeneration in peripheral nerves	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	
10/10/19(Thursday) 8-09am 2-04pm 04-05pm	Describe the structure of neuro-muscular junction and transmission of impulses	K	KH	Lecture, Small group discussion	Written/Viva voce		Anaesthesiology	
11/10/19(Friday) 09-10am 11-01pm 02-04pm	Discuss the action of neuro-muscular blocking agents	K	KH	Lecture, Small group discussion	Written/Viva voce		Anaesthesiology, Pharmacology	
12/10/19(Saturday) 10-11am	Describe the pathophysiology of Myasthenia gravis	K	KH	Lecture, Small group discussion	Written/Viva voce		Pathology	
14/10/19(Monday) 09-10am 02-04pm	Describe the different types of muscle fibres and their structure	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
15/10/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe action potential and its properties in different muscle types (skeletal & smooth)	K	KH	Lecture, Small group discussion	Written/Viva voce			
16/10/19(Wednesday) 08-09am 10-11am 02-04pm	Describe the molecular basis of muscle contraction in skeletal and in smooth muscles	K	KH	Lecture, Small group discussion	Written/Viva voce			

17/10/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe the mode of muscle contraction (isometric and isotonic)	K	KH	Lecture, Small group discussion	Written/Viva voce			
18/10/19(Friday) 09-10am 11-01pm 02-04pm	Explain energy source and muscle metabolism	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
19/10/19(Saturday) 10-11am	Explain the gradation of muscular activity	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	
21/10/19(Monday) 09-10am 02-04pm	Describe muscular dystrophy: myopathies	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	Human Anatomy
22/10/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Perform Ergography	S	SH	DOAP sessions	Practical/OSPE/Viva voce			
23/10/19(Wednesday) 08-09am 10-11am 02-04pm	Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	S	SH	DOAP sessions	Practical/OSPE/Viva voce			
24/10/19 (Thursday) 8-09am 2-04pm 04-05pm	Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	S	SH	DOAP sessions	Practical/OSPE/Viva voce			
25/10/19(Friday) 09-10am 11-01pm 02-04pm	Describe Strength-duration curve	K	KH	Lecture, Small group discussion	Written/Viva voce			
26/10/19(Saturday) 10-11am	Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	S	KH	Demonstration, Computer assisted learning methods	Practical / Viva voce			
29/10/19(Tuesday) 10-11am, 02-04pm 04-05pm	Describe the structure and functions of digestive system	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
30/10/19(Wednesday) 08-09am 10-11am 02-04pm	Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
31/10/19(Thursday) 8-09am 2-04pm 04-05pm	Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietar fibre.	K	KH	Lecture, Small group discussion	Written/Viva voce			

02/11/19((Saturday) 10-11am								
	Describe the physiology of digestion and absorption of nutrients	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry

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04/11/19 (Monday) 09-10am 02-04pm	Describe the source of GIT hormones, their regulation and functions	K	KH	Lecture, Small group discussion	Written/Viva voce			
05/11/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe the Gut-Brain Axis	K	KH	Lecture, Small group discussion	Written/Viva voce			
06/11/19(Wednesday) 08-09am 10-11am 02-04pm	Describe & discuss the structure and functions of liver and gall bladder	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
07/11/19(Thursday) 8-09am 2-04pm 04-05pm	Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests	K	KH	Lecture, Small group discussion, Demonstration Esophageal Manometry & endoscopy	Written/Viva voce			Biochemistry
08/11/19(Friday) 09-10am 11-01pm 02-04pm	Discuss the physiology aspects of: peptic ulcer, gastro- oesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	Biochemistry
09/11/19(Saturday) 10-11am	Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	S	SH	DOAP session	Skill assessment/ Viva voce/OSCE			
11/11/19(Monday) 09-10am 02-04pm	Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system.	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
12/11/19(Tuesday) 10-11am, 02-04pm 04-05pm	its morphology, electrical, mechanical and metabolic functionsDescribe the properties of cardiac muscle including	K	KH	Lecture, Small group discussion	Written/Viva voce			
13/11/19(Wednesday) 08-09am 10-11am 02-04pm	Discuss the events occurring during the cardiac cycle	K	KH	Lecture, Small group discussion	Written/Viva voce			

14/11/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe generation, conduction of cardiac impulse	K	KH	Lecture, Small group discussion	Written/Viva voce			
15/11/19(Friday) 09-10am 11-01pm 02-04pm	Describe the physiology of electrocardiogram (E.C.G),	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	

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16/11/19(Saturday) 10-11am	Describe abnormal ECG, arrythmias, heart block and myocardial Infarction	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	Human Anatomy
18/11/19 (Monday) 09-10am 02-04pm	Describe and discuss haemodynamics of circulatory system	K	KH	Lecture, Small group discussion	Written/Viva voce			
19/11/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss local and systemic cardiovascular regulatory mechanisms	K	KH	Lecture, Small group discussion	Written/Viva voce			
20/11/19(Wednesday) 08-09am 10-11am 02-04pm	Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	K	KH	Lecture, Small group discussion	Written/Viva voce			
21/11/19(Thursday) 8-09am 2-04pm 04-05pm	Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	
22/11/19(Friday) 09-10am 11-01pm 02-04pm	Describe the patho-physiology of shock, syncope and heart failure	K	KH	Lecture, Small group discussion	Written/Viva voce			
23/11/19(Saturday) 10-11am	Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment	S	SH	DOAP sessions	Practical/OSPE/ Viva voce	1 each x 3		
25/11/19(Monday) 09-10am 02-04pm	Record and interpret normal ECG in a volunteer or simulated environment	S	SH	DOAP sessions	Practical/OSPE/ Viva voce		General Medicine	
	Observe cardiovascular autonomic function tests in a volunteer or simulated environment	S	SH	DOAP sessions	Skill assessment/ Viva voce			
26/11/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	S	SH	DOAP sessions	Practical/OSPE/ Viva voce			

27/11/19(Wednesday) 08-09am 10-11am 02-04pm	Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment	S	SH	DOAP sessions, Computer assisted learning methods	Practical/OSPE/ Viva voce		General Medicine	

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28/11/19(Thursday) 8-09am 2-04pm 04-05pm	Describe the functional anatomy of respiratory tract	K	KH	Lecture, Small group discussion	Written/Viva voce			
29/11/19(Friday) 09-10am 11-01pm 02-04pm	Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs	K	KH	Lecture, Small group discussion	Written/Viva voce			
30/11/19(Saturday) 10-11am	Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	K	KH	Lecture, Small group discussion	Written/Viva voce			
02/12/19(Monday) 09-10am 02-04pm	Describe and discuss the physiology of high altitude and deep sea diving	K	KH	Lecture, Small group discussion	Written/Viva voce			
03/12/19(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness.	K	KH	Lecture, Small group discussion	Written/Viva voce			
04/12/19(Wednesday) 08-09am 10-11am 02-04pm	Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	K	KH	Lecture, Small group discussion	Written/Viva voce			
05/12/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss lung function tests & their clinical significance	K	KH	Lecture, Small group discussion	Written/Viva voce			
06/12/19(Friday) 09-10am 11-01pm 02-04pm	Demonstrate the correct technique to perform & interpret Spirometry	S	SH	DOAP sessions	Skill assessment/ Viva voce		Respiratory Medicine	
07/12/19(Saturday) 10-11am	Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	S	P	DOAP sessions	Skill assessment/ Viva voce/OSCE	1		
09/12/19 (Monday) 09-10am 02-04pm	Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	S	SH	DOAP sessions	Practical/OSPE/ Viva voce			

10/12/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe structure and function of kidney	K	KH	Lecture, Small group discussion	Written/Viva voce			
11/12/19 (Wednesday) 08-09am 10-11am 02-04pm	Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system	K	KH	Lecture, Small group discussion	Written/Viva voce			

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12/12/19(Thursday) 8-09am 2-04pm 04-05pm	Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	K	KH	Lecture, Small group discussion	Written/Viva voce			
13/12/19(Friday) 09-10am 11-01pm 02-04pm	Describe & discuss the significance & implication of Renal clearance	K	KH	Lecture, Small group discussion	Written/Viva voce			
14/12/19 (Saturday) 10-11am	Describe the renal regulation of fluid and electrolytes & acid-base balance	K	KH	Lecture, Small group discussion	Written/Viva voce			
16/12/19(Monday) 09-10am 02-04pm	Describe the innervations of urinary bladder, physiology of micturition and its abnormalities	K	KH	Lecture, Small group discussion	Written/Viva voce			
17/12/19(Tuesday) 10-11am, 02-04pm 04-05pm	Describe artificial kidney, dialysis and renal transplantation	K	KH	Lecture, Small group discussion	Written/Viva voce		General Medicine	
18/12/19(Wednesday) 08-09am 10-11am 02-04pm	Describe & discuss Renal Function Tests	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry
19/12/19 (Thursday) 8-09am 2-04pm 04-05pm	Describe cystometry and discuss the normal cystometrogram	K	KH	Lecture, Small group discussion	Written/Viva voce			
20/12/19(Friday) 09-10am 11-01pm 02-04pm	Describe the physiology of bone and calcium metabolism	K	KH	Lecture, Small group discussion	Written/Viva voce			
21/12/19 (Saturday) 10-11am	Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	K	KH	Lecture, Small group discussion	Written/Viva voce			

23/12/19(Monday) 09-10am 02-04pm	Describe the physiology of Thymus & Pineal Gland	K	KH	Lecture, Small group discussion	Written/Viva voce			
24/12/19 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	K	KH	Lecture, Small group discussion	Written/Viva voce			Biochemistry

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26/12/19(Thursday) 8-09am 2-04pm 04-05pm	Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome.	K	KH	Lecture, Small group discussion	Written/Viva voce			
27/12/19(Friday) 09-10am 11-01pm 02-04pm	Describe & differentiate the mechanism of action of steroid, protein and amine hormones	K	KH	Lecture, Small group discussion	Written/Viva voce			
28/12/19(Saturday) 10-11am	Describe and discuss sex determination; sex differentiation and their abnormities and outline psychiatry and practical implication of sex determination.	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
30/12/19(Monday) 09-10am 02-04pm	Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	K	KH	Lecture, Small group discussion	Written/Viva voce			
31/12/19(Tuesday) 10-11am, 02-04pm 04-05pm	Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	K	KH	Lecture, Small group discussion	Written/Viva voce			
01/01/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	K	KH	Lecture, Small group discussion	Written/Viva voce			
02/01/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss the physiological effects of sex hormones	K	KH	Lecture, Small group discussion	Written/Viva voce			
03/01/20(Friday) 09-10am 11-01pm 02-04pm	Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	K	KH	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology, Community Medicine	
04/01/20(Saturday) 10-11am	Describe and discuss the effects of removal of gonads on physiological functions	K	KH	Lecture, Small group discussion	Written/Viva voce			

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06/01/20(Monday) 09-10am 02-04pm	Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	K	KH	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology	
07/01/20(Tuesday) 10-11am, 02-04pm 04-05pm	Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results	K	KH	Lecture, Small group discussion	OSPE/Viva voce			
08/01/20(Wednesday) 8-09am 2-04pm 04-05pm	Discuss the physiological basis of various pregnancy tests	K	KH	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology	
09/01/20(Thursday) 8-09am 2-04pm 04-05pm	Discuss the hormonal changes and their effects during perimenopause and menopause	K	KH	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology	
10/01/20(Friday) 09-10am 11-01pm 02-04pm	Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.	K	KH	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology	
11/01/20(Saturday) 10-11am	Describe and discuss the organization of nervous system	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
13/01/20(Monday) 09-10am 02-04pm	Describe and discuss the functions and properties of synapse, reflex, receptors	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
14/01/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss somatic sensations & sensory tracts	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
15/01/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy

16/01/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy
17/01/20(Friday) 09-10am 11-01pm 02-04pm	Describe and discuss Spinal cord, its functions, lesion & sensory disturbances	K	KH	Lecture, Small group discussion	Written/Viva voce			Human Anatomy

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18/01/20(Saturday) 10-11am	Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	K	KH	Lecture, Small group discussion	Written/Viva voce		Psychiatry	Human Anatomy
20/01/20(Monday) 09-10am 02-04pm	Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production	K	KH	Lecture, Small group discussion	Written/Viva voce		Psychiatry	
21/01/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss the physiological basis of memory, learning and speech	K	KH	Lecture, Small group discussion	Written/Viva voce		Psychiatry	
22/01/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element).	K	KH	Lecture, Small group discussion	Written/Viva voce			
23/01/20(Thursday) 8-09am 2-04pm 04-05pm	Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer or simulated environment	S	P	DOAP sessions	Skill assessment/ Viva voce/OSCE	1 each (total 5)		Human Anatomy
24/01/20(Friday) 09-10am 11-01pm 02-04pm	Identify normal EEG forms	S	S	Small group teaching	OSPE/Viva voce		Psychiatry	
25/01/20(Saturday) 10-11am	Describe and discuss perception of smell and taste sensation	K	KH	Lecture, Small group discussion	Written/Viva voce		ENT	
27/01/20(Monday) 09-10am 02-04pm	Describe and discuss patho-physiology of altered smell and taste sensation	K	KH	Lecture, Small group discussion	Written/Viva voce		ENT	
28/01/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing	K	KH	Lecture, Small group discussion	Written/Viva voce		ENT	
29/01/20(Wednesday) 8-09am 2-04pm	Describe and discuss pathophysiology of deafness. Describe hearing tests	K	KH	Lecture, Small group discussion	Written/Viva voce		ENT	

04-05pm								
30/01/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex	K	KH	Lecture, Small group discussion	Written/Viva voce		Ophthalmology	

31/01/20(Friday) 09-10am 11-01pm 02-04pm	Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	S	P	DOAP sessions	Skill assessment/ Viva voce	1 each (total 4)	ENT, Ophthalmology	
01/02/20(Saturday) 10-11am	Describe and discuss mechanism of temperature regulation	K	KH	Lecture, Small group discussion	Written/Viva voce			
03/02/20(Monday) 09-10am 02-04pm	Describe and discuss adaptation to altered temperature (heat and cold)	K	KH	Lecture, Small group discussion	Written/Viva voce			
04/02/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and discuss mechanism of fever, cold injuries and heat stroke	K	KH	Lecture, Small group discussion	Written/Viva voce			
05/02/20 (Wednesday) 8-09am 2-04pm 04-05pm	Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects	K	KH	Lecture, Small group discussion	Written/Viva voce			
06/02/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss physiological consequences of sedentary lifestyle	K	KH	Lecture, Small group discussion	Written/Viva voce			
07/02/20(Friday) 09-10am 11-01pm 02-04pm	Describe physiology of Infancy	K	KH	Lecture, Small group discussion	Written/Viva voce		Pediatrics	
08/02/20(Saturday) 10-11am	Describe and discuss physiology of aging; free radicals and antioxidants	K	KH	Lecture, Small group discussion	Written/Viva voce			
10/02/20(Monday) 09-10am 02-04pm	Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold)	K	KH	Lecture, Small group discussion	Written/Viva voce			

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration
11/02/20(Tuesday) 10-11am, 02-04pm 04-05pm	Interpret growth charts	K	KH	Small group teaching	Practical/OSPE/ Viva voce		Pediatrics
12/02/20(Wednesday) 8-09am 2-04pm 04-05pm	Interpret anthropometric assessment of infants	K	KH	Small group teaching	Practical/OSPE/ Viva voce		Pediatrics
13/02/20(Thursday) 8-09am 2-04pm 04-05pm	Discuss the concept, criteria for diagnosis of Brain death and its implications	K	KH	Lecture, Small group discussion	Written/Viva voce		
14/02/20(Friday) 09-10am 11-01pm 02-04pm	Discuss the physiological effects of meditation	K	KH	Lecture, Small group discussion	Written/Viva voce		
15/02/20(Saturday) 10-11am	Obtain history and perform general examination in the volunteer / simulated environment	S	SH	DOAP sessions	Skill assessment/ Viva voce		
17/02/20(Monday) 09-10am 02-04pm	Demonstrate Basic Life Support in a simulated environment	S	SH	DOAP sessions	OSCE		General Medicine, Anaesthesiology
18/02/20(Tuesday) 10-11am, 02-04pm 04-05pm	Classify muscle tissue according to structure & action	K	KH	Lecture	Written/ Viva voce		
19/02/20(Wednesday) 8-09am 2-04pm 04-05pm	Differentiate between blood vascular and lymphatic system	K	KH	Lecture	Written/ Viva voce		
20/02/20(Thursday) 8-09am 2-04pm 04-05pm	Differentiate between pulmonary and systemic circulation	K	KH	Lecture	Written/ Viva voce		
21/02/20(Friday) 09-10am 11-01pm 02-04pm	Describe the concept of anastomoses and collateral circulation with significance of end-arteries	K	KH	Lecture	Written/ Viva voce		General Medicine

22/02/20(Saturday) 10-11am	Explain function of meta-arterioles, precapillary sphincters, arterio- venous anastomoses	K	KH	Lecture	Written			
24/02/20(Monday) 09-10am 02-04pm	Define thrombosis, infarction & aneurysm	K	KH	Lecture	Written		Pathology	

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	
25/02/20(Tuesday) 10-11am, 02-04pm 04-05pm	List components of nervous tissue and their functions	K	KH	Lecture	Written/ Viva voce			
26/02/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe parts of a neuron and classify them based on number of neurites, size & function	K	KH	Lecture	Written/ Viva voce			
27/02/20(Thursday) 8-09am 2-04pm 04-05pm	Describe principles of sensory and motor innervation of muscles	K	KH	Lecture	Written		General Medicine	
28/02/20(Friday) 09-10am 11-01pm 02-04pm	Describe various types of synapse	K	KH	Lecture	Written			
29/02/20(Saturday) 10-11am	Describe & demonstrate mechanics and types of respiration	K/S	SH	Practical, Lecture, Small group dicussion, DOAP session	Written/Viva voce/ skill assessment			
02/03/20(Monday) 09-10am 02-04pm	Describe & demonstrate external and internal features of each chamber of heart	K/S	SH	Practical, Lecture, Small group dicussion, DOAP session	Written/Viva voce/ skill assessment			
03/03/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe & demonstrate origin, course and branches of coronary arteries	K/S	SH	Practical, Lecture, Small group dicussion, DOAP session	Written/Viva voce/ skill assessment			
04/03/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe anatomical basis of ischaemic heart disease	K	KH	Lecture	Written/ Viva voce		General Medicine	
05/03/20(Thursday) 8-09am 2-04pm	Mention the parts, position and arterial supply of the conducting system of heart	K	KH	Lecture	Written		General Medicine	

04-05pm								
06/03/20(Friday) 09-10am 11-01pm 02-04pm	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy	K	KH	Practical, Lecture	Written/ Viva voce		General Medicine	
07/03/20(Saturday) 10-11am	Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate	K/S	SH	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	
09/03/20(Monday) 09-10am 02-04pm	Describe a bronchopulmonary segment	K	KH	Lecture	Written/ Viva voce		General Medicine	

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	
10/03/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe fetal circulation and changes occurring at birth	K	KH	Lecture	Written		General Medicine	
11/03/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	K	KH	Lecture	Written/ Viva voce		General Medicine, Pediatrics	
12/03/20(Thursday) 8-09am 2-04pm 04-05pm	Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta	K	KH	Lecture	Written/ Viva voce		General Medicine, Pediatrics	
13/03/20(Friday) 09-10am 11-01pm 02-04pm	Demonstrate surface marking of lines of pleural reflection, Lung borders and fissures, Trachea, Heart borders, Apex beat & Surface projection of valves of heart	K/S	SH	Practical	Viva voce/ skill assessment		General Medicine, Pediatrics	
14/03/20(Saturday) 10-11am	Describe circulation of CSF with its applied anatomy	K	KH	Lecture	Written/ Viva voce		General Medicine	
16/03/20(Monday) 09-10am 02-04pm	Enumerate ascending & descending tracts at mid thoracic level of spinal cord	K	KH	Lecture	Written/ Viva voce		General Medicine	
17/03/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe anatomical basis of syringomyelia	K	KH	Lecture	Written		General Medicine	
18/03/20(Wednesday) 8-09am 2-04pm 04-05pm	Enumerate cranial nerve nuclei in medulla oblongata with their functional group	K	KH	Lecture	Written/ Viva voce			
19/03/20(Thursday) 8-09am 2-04pm 04-05pm	Describe anatomical basis & effects of medial & lateral medullary syndrome	K	KH	Lecture	Written		General Medicine	
20/03/20(Friday) 09-10am 11-01pm 02-04pm	Identify external features of pons	K/S	SH	Lecture, DOAP session	Written/ Viva voce/ skill assessment			

21/03/20(Saturday) 10-11am	Describe anatomical basis of cerebellar dysfunction	K	KH	Lecture	Written		General Medicine	
23/03/20(Monday) 09-10am 02-04pm	Describe anatomical basis & effects of Benedikt's and Weber's syndromme	K	KH	Lecture	Written		General Medicine	
24/03/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	K/S	SH	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	
25/03/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe the white matter of cerebrum	K	KH	Lecture	Written/ Viva voce		General Medicine	
26/03/20(Thursday) 8-09am 2-04pm 04-05pm	Enumerate parts & major connections of basal ganglia & limbic lobe	K	KH	Lecture	Written/ Viva voce		General Medicine	
27/03/20(Friday) 09-10am 11-01pm 02-04pm	Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	K	KH	Lecture	Written/ Viva voce		General Medicine	
28/03/20(Saturday) 10-11am	Describe & identify formation, branches & major areas of distribution of circle of Willis	K/S	SH	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	
30/03/20(Monday) 09-10am 02-04pm	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle	K/S	SH	Practical, Lecture, Small group dicussion, DOAP session	Written/ Viva voce/ skill assessment			
31/03/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe anatomical basis of congenital hydrocephalus	K	KH	Lecture	Written		Pediatrics	
01/04/20 (Wednesday) 8-09am 2-04pm 04-05pm	Describe & identify various types of connective tissue with functional correlation	K/S	SH	Lecture, Practical	Written/ skill assessment			
	Classify muscle and describe the structure-function correlation of the same	K	KH	Lecture, Practical	Written			
02/04/20 (Thursday) 8-09am 2-04pm 04-05pm	Describe the structure-function correlation of neuron	K	KH	Lecture, Practical	Written			
	Describe the various types and structure-function correlation of blood vessel	K	KH	Lecture, Practical	Written			

03/04/20(Friday) 09-10am 11-01pm 02-04pm	Describe the molecular and functional organization of a cell and its sub-cellular components.	K	KH	Lecture, Small group discussions	Written assessment and Viva voce			

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	
03/04/20(Friday) 09-10am 11-01pm 02-04pm	Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)	K	KH	Lecture, Small group discussion	Written/Viva voce			
04/04/20(Saturday) 10-11am	Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
	Describe the common disorders associated with nucleotide metabolism.	K	KH	Lecture, Small group discussion	Written/ Viva voce			
06/04/20(Monday) 09-10am 02-04pm	Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.	K	KH	Lecture, Small group discussion	Written/ Viva voce		General Medicine	
	Describe the functions of various minerals in the body, their metabolism and homeostasis.	K	KH	Lecture, Small group discussion	Written/ Viva voce		General Medicine	
07/04/20 (Tuesday) 10-11am, 02-04pm 04-05pm	Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
	Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
08/04/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe the functions of the kidney, liver, thyroid and adrenal glands.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
	Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands).	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
09/04/20(Thursday) 8-09am 2-04pm 04-05pm	Describe the abnormalities of kidney, liver, thyroid and adrenal glands.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Pathology, General Medicine	
	Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses.	K	KH	Lecture, Small group discussion	Written/ Viva voce		General Medicine, Pathology	

10/04/20(Friday) 09-10am 11-01pm 02-04pm	Perform urine analysis to estimate and determine normal and abnormal constituents	S	P	DOAP session	Skill assessment	1	General Medicine	

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
10/04/20(Friday) 09-10am 11-01pm 02-04pm	Define and describe the etiology, types, pathogenesis, stages, morphology and complications and evaluation of Obstructive airway disease (OAD) and bronchiectasis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
11/04/20(Saturday) 10-11am	Describe the etiology, types, stages pathophysiology pathology and complications of heart failure	K	KH	Lecture, Small group discussion	Written/ Viva voce		Gene Phys
	Interpret abnormalities in cardiac function testing in acute coronary syndromes	S	SH	DOAP session	Skill Assessment		Phys Medi
13/04/20(Monday) 09-10am 02-04pm	Classify and describe the etiology, types, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of cardiomyopathies	K	KH	Lecture, Small group discussion	Written/ Viva voce		Gene Phys
	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	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
14/04/20 (Tuesday) 10-11am, 02-04pm 04-05pm	Enumerate, classify and describe the etiology, pathogenesis, pathology and iodine dependency of thyroid swellings	K	KH	Lecture, Small group discussion	Written/ Viva voce		Huma Phys Medi Surge
	Describe the etiology, cause, iodine dependency, pathogenesis, manifestations, laboratory and imaging features and course of thryotoxicosis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
15/04/20 (Wednesday) 8-09am 2-04pm 04-05pm	Describe the etiology, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis/ hypothyroidism	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
	Classify and describe the epidemiology, etiology, pathogenesis, pathology, clinical laboratory features, complications and progression of diabetes mellitus	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
16/04/20(Thursday) 8-09am 2-04pm 04-05pm	Describe the etiology, genetics, pathogenesis, manifestations, laboratory and morphologic features of hyperparathyroidism	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
16/04/20	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications of adrenal insufficiency	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
17/04/20(Friday) 09-10am 11-01pm 02-04pm	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications of Cushing's syndrome	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Medi
	Describe the etiology, pathogenesis, manifestations, laboratory and morphologic features of adrenal neoplasms	K	KH	Lecture, Small group discussion	Written/ Viva voce		Huma Phys Medi Surge
18/04/20(Saturday) 10-11am	Describe mechanism/s of action, types, doses, side effects, indications and contraindications of skeletal muscle relaxants	K	KH	Lecture	Written/ Viva voce		Anest Phys
	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotic, antidepressant drugs, anti-maniacs,opioid agonists and antagonists, drugs used for neurodegenerative disorders, antiepileptics Drugs)	K	KH	Lecture	Written/ Viva voce		Psych
20/04/20(Monday) 09-10am 02-04pm	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs acting on blood, like anticoagulants, antiplatelets, fibrinolytics, plasma expanders	K	KH	Lecture	Written/ Viva voce		Phys Medi
	Describe mechanisms of action, types, doses, side effects, indications and contraindications of the drugs modulating the renin angiotensin and aldosterone system	K	KH	Lecture	Written/ Viva voce		Phys Medi
21/04/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of drugs used in hematological disorders like: 1. Drugs used in anemias 2. Colony Stimulating factors	K	KH	Lecture	Written/ Viva voce		Gene Phys

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
22/04/20(Wednesday) 8-09am 2-04pm 04-05pm	Demonstrate & identify that a particular stain is blood and identify the species of its origin.	S	KH	Small group discussion, Lecture	Log book/ skill station/ Viva voce		Patho
23/04/20(Thursday) 8-09am 2-04pm 04-05pm	Demonstrate the correct technique to perform and identify ABO & Rh blood group of a person.	S	SH	Small group discussion, DOAP session	Log book/ skill station/ Viva voce		Patho
24/04/20(Friday) 09-10am 11-01pm 02-04pm	Observe and describe the management of an unconscious patient	S	KH	Lecture, Small group discussion, DOAP session	Written/ Viva voce		Phys
25/04/20(Saturday) 10-11am	Observe and describe the basic setup process of a ventilator	S	KH	Lecture, Small group discussion, DOAP session	Written/ Viva voce		Phys
27/04/20(Monday) 09-10am 02-04pm	Describe the anatomical correlates and physiologic principles of pain	K	KH	Lecture, Small group discussion, DOAP session	Written/ Viva voce		Huma Phys
28/04/20(Tuesday) 10-11am, 02-04pm 04-05pm	Elicit and determine the level, quality and quantity of pain and its tolerance in patient or surrogate	S	KH	Lecture, Small group discussion, DOAP session	Written/ Viva voce		Phys
29/04/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe the physiology of vision.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
30/04/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss the epidemiology, pathogenesis clinical evolution and course of common causes of heart disease including: rheumatic/ valvular, ischemic, hypertrophic inflammatory.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
01/05/20(Friday) 09-10am 11-01pm 02-04pm	Describe and discuss the genetic basis of some forms of heart failure	K	KH	Lecture, Small group discussion	Written		Patho
02/05/20(Saturday) 10-11am	Describe and discuss the aetiology microbiology pathogenies and clinical evolution of rheumatic fever, criteria, degree of rheumatic activity and rheumatic valvular heart disease and its complications including infective endocarditis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho Physi Micro
04/05/20(Monday) 09-10am 02-04pm	Stage heart failure	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
05/05/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe discuss and differentiate the processes involved in R Vs L heart failure, systolic vs diastolic failure	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
06/05/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe and discuss the compensatory mechanisms involved in heart failure including cardiac remodelling and neurohormonal adaptations	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
07/05/20(Thursday) 8-09am 2-04pm 04-05pm	Enumerate, describe and discuss the factors that exacerbate heart failure including ischemia, arrythmias anemia, thyrotoxicosis, dietary factors drugs etc.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
08/05/20(Friday) 09-10am 11-01pm 02-04pm	Describe and discuss the pathogenesis and development of common arrythmias involved in heart failure particularly atrial fibrillation	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
09/05/20(Saturday) 10-11am	Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho Comm
11/05/20(Monday) 09-10am 02-04pm	Discuss the aetiology of risk factors both modifiable and non modifiable of atherosclerosis and IHD	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho

12/05/20(Tuesday) 10-11am, 02-04pm 04-05pm	Discuss and describe the lipid cycle and the role of dyslipidemia in the pathogenesis of atherosclerosis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
13/05/20(Wednesday) 8-09am 2-04pm 04-05pm	Discuss and describe the pathogenesis, natural history, evolution and complications of atherosclerosis and IHD	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
14/05/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss the physiologic and biochemical basis of hyperbilirubinemia	K	K	Lecture, Small group discussion	Written/Viva voce		Patho
15/05/20(Friday) 09-10am 11-01pm 02-04pm	Describe and discuss the aetiology and pathophysiology of liver injury	K	K	Lecture, Small group discussion	Written/ Viva voce		Patho
16/05/20(Saturday) 10-11am	Describe and discuss the epidemiology, aetiology and the prevalence of primary and secondary hypertension	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
18/05/20(Monday) 09-10am 02-04pm	Describe and discuss the pathophysiology of hypertension	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
19/05/20(Tuesday) 10-11am, 02-04pm 04-05pm	Enumerate the causes of hypoglycaemia and describe the counter hormone response and the initial approach and treatment.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
20/05/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe the epidemiology and pathogenesis of hypothyroidism and hyperthyroidism including the influence of iodine deficiency and autoimmunity in the pathogenesis of thyroid disease	K	K	Lecture, Small group discussion	Written/ Viva voce		Patho
21/05/20(Thursday) 8-09am 2-04pm 04-05pm	Describe and discuss the physiology of the hypothalamopituitary - thyroid axis, principles of thyroid function testing and alterations in physiologic function	K	K	Lecture, Small group discussion	short notes		Patho
22/05/20(Friday) 09-10am 11-01pm 02-04pm	Describe and discuss the physiologic effects of acute blood and volume loss	K	K	Lecture, Small group discussions	short note/ Viva voce		Patho
23/05/20(Saturday) 10-11am	Distinguish the lesion based on upper vs lower motor neuron, side, site and most probable nature of the lesion	K/S	SH	Bedside clinic, DOAP session	Skill Assessment		Phys
25/05/20(Monday) 09-10am 02-04pm	Describe the clinical features and distinguish, based on clinical examination, the various disorders of speech	K/S	SH	Bedside clinic, DOAP session	Skill Assessment		Phys

26/05/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe and distinguish, based on the clinical presentation, the types of bladder dysfunction seen in CNS disease	K	KH	Small group discussion, Bedside clinic	Written/ Viva voce		Phys
27/05/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe the functional anatomy of the locomotor system of the brain	K	KH	Lecture, Small group discussion	Written/Viva voce		Huma Phys

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
28/05/20(Thursday) 8-09am 2-04pm 04-05pm	Enumerate the causes of hypercalcemia and distinguish the features of PTH vs non PTH mediated hypercalcemia	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
29/05/20(Friday) 09-10am 11-01pm 02-04pm	Enumerate the causes and describe the clinical and laboratory features of metabolic acidosis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
30/05/20(Saturday) 10-11am	Enumerate the causes of describe the clinical and laboratory features of metabolic alkalosis	K	KH	Lecture, small group discussion	Written/ Viva voce		Phys
	Enumerate the causes and describe the clinical and laboratory features of respiratory acidosis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
01/06/20(Monday) 09-10am 02-04pm	Enumerate the causes and describe the clinical and laboratory features of respiratory alkalosis	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Identify the underlying acid based disorder based on an ABG report and clinical situation	S	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Discuss and describe the methods of nutritional assessment in an adult and calculation of caloric requirements during illnesses	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
02/06/20(Tuesday) 10-11am, 02-04pm 04-05pm	Discuss and describe the causes and consequences of protein caloric malnutrition in the hospital	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
	Discuss and describe the aetiology, causes, clinical manifestations, complications, diagnosis and management of common vitamin deficiencies	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
	Enumerate the indications for enteral and parenteral nutrition in critically ill patients	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
03/06/20(Wednesday) 8-09am 2-04pm	Describe and discuss the aetiopathogenesis, clinical presentation, complications, assessment and management of nutritional disorders in the elderly	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch

04-05pm	Describe the physiology of ovulation, menstruation, fertilization, implantation and gametogenesis	K	K	Lecture, seminars	Theory		Phys

	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Verti
03/06/20(Wednesday) 8-09am 2-04pm 04-05pm	Describe and discuss the changes in the genital tract, cardiovascular system, respiratory, haematology, renal and gastrointestinal systems in pregnancy	K	KH	Lecture, seminars	Theory		Phys
04/06/20(Thursday) 8-09am 2-04pm 04-05pm	Explain the physiology of lactation	K	KH	Lecture, small group discussion	Written/ Viva voce		Phys
	Describe the composition and types of breast milk and discuss the differences between cow's milk and human milk	K	KH	Lecture, debate	Written/ Viva voce		Phys
	Define, describe the etio-pathogenesis, classify including WHO classification, clinical features, complication and management of severe Acute Malnourishment and Moderate Acute Malnutrition	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
	Outline the clinical approach to a child with SAM and MAM	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch
05/06/20(Friday) 09-10am 11-01pm 02-04pm	Assessment of a patient with SAM and MAM, diagnosis, classification and planning management including hospital and community based intervention, rehabilitation and prevention	S	SH	Bed side clinics, Skill Lab	Skill station		Phys Bioch
	Describe the common etiology, clinical features and management of Obesity in children	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Bioch Patho
	Discuss the risk approach for obesity and discuss the prevention strategies	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
06/06/20(Saturday) 10-11am	Describe the causes, clinical features, diagnosis and management of Deficiency / excess of Vitamin D (Rickets and Hypervitaminosis D	K	KH	Lecture, Small group discussion	Written/ Viva voce		Bioch Phys
	Identify the clinical features of dietary deficiency of Vitamin D	S	P	Bedside clinics, Skills lab	Document in log book	3	Bioch Phys Patho

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06/06/20(Saturday) 10-11am	Assess patients with Vitamin D deficiency, diagnose, classify and plan management	S	SH	Bed side clinics	Document in log book		Bioch Phys
08/06/20(Monday) 09-10am 02-04pm	Discuss the RDA, dietary sources of Vitamin K and their role in health and disease	K	K	Lecture, Small group discussion	Written/ Viva voce		Bioch Phys Patho
	Describe the causes, clinical features, diagnosis, management and prevention of of Deficiency of Vitamin K	K	KH	Lecture, Small group discussion	Written/ Viva voce		Bioch Phys Patho
	Discuss the Hemodynamic changes, clinical presentation, complications and management of Acyanotic Heart Diseases –VSD, ASD and PDA	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Discuss the Hemodynamic changes, clinical presentation, complications and management of Cyanotic Heart Diseases – Fallot's Physiology	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
09/06/20(Tuesday) 10-11am, 02-04pm 04-05pm	Discuss the etio-pathogenesis, clinical presentation and management of cardiac failure in infant and children	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Discuss the etio-pathogenesis, clinical presentation and management of Acute Rheumatic Fever in children	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Discuss the clinical features, complications, diagnosis, management and prevention of Acute Rheumatic Fever	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
10/06/20(Wednesday) 8-09am 2-04pm 04-05pm	Discuss the etio-pathogenesis and clinical features and management of Infective endocarditis in children	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys Patho Micro
	Discuss the etio-pathogenesis, Clinical features, classification and approach to a child with anaemia	K	KH	Lecture, Small group discussions	Written/ Viva voce		Patho
	Discuss the etio-pathogenesis, clinical features and management of Iron Deficiency anaemia	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho

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11/06/20(Thursday) 8-09am 2-04pm 04-05pm	Discuss the etiopathogenesis, Clinical features and management of VIT B12, Folate deficiency anaemia	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
	Discuss the etio-pathogenesis, clinical features and management of Hemolytic anemia, Thalassemia Major, Sickle cell anaemia, Hereditary spherocytosis, Auto-immune hemolytic anaemia and hemolytic uremic syndrome	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
	Describe basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators	K	KH	Lecture, Bed side clinic and Small group discussion	Written/ Viva voce		Phys Bioch
12/06/20(Friday) 09-10am 11-01pm 02-04pm	Describe Pathophysiology of shock. Types of shock. Principles of resuscitation including fluid replacement and monitoring	K	KH	Lecture, Small group discussion	Written/ Viva voce		Patho
	Elicit, document and present history in a case of Burns and perform physical examination. Describe Pathophysiology of Burns.	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Enumerate the causes and consequences of malnutrition in the surgical patient.	K	KH	Lecture, Small group discussion, Bedside clinic	Written/ Viva voce		Phys
13/06/20(Saturday) 10-11am	Describe and Discuss the methods of estimation and replacement the Fluid and electrolyte requirements in the surgical patient	K	KH	Lecture, Small group discussion, Bedside clinic	Written/ Viva voce		Phys
	Describe the applied Anatomy and physiology of esophagus	K	K	Lecture, Small group Discussion, Demonstration	Written/ Viva voce		Huma Phys

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13/06/20(Saturday) 10-11am	Define and classify obstructive airway disease	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
15/06/20(Monday) 09-10am 02-04pm	Describe and discuss the epidemiology risk factors and evolution of obstructive airway disease	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Describe and discuss the physiology and pathophysiology of hypoxia and hypercapneia	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
	Describe and discuss the genetics of alpha 1 antitrypsin deficiency in emphysema	K	KH	Lecture, Small group discussion	Written/ Viva voce		Phys
16/06/20(Tuesday) 10-11am, 02-04pm 04-05pm	Describe, discuss and interpret pulmonary function tests	S	SH	Bed side clinic, DOAP session	Skill assessment		Phys