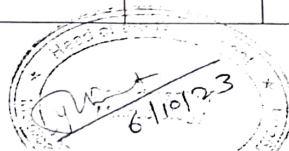


## DEPARTMENT OF MICROBIOLOGY

### Teaching Schedule of MBBS 2<sup>nd</sup> Year for the month of October-November 2023

Date and Day	Timing	Lecture	Faculty Name	Tutorial (2 pm to 3 pm)	Faculty Name	Practical (3 pm to 4pm)	Faculty Name
10/10/2023 Tuesday	12-1 pm	Dermatophytosis	Dr. Moumita	-	-	-	-
11/10/2023 Wednesday	11-12 pm	Urinary tract infections: Enterobacterales, Enterococcus	Dr. Ashima	Laboratory diagnosis of fungal infections	Dr. Sumitra	Demo: Candida & Cryptococcus Gram stained slides, LPCB mount, growth of yeast and mold	Dr. Rashmi
12/10/2023 Thursday	-	-	-	Laboratory diagnosis of fungal infections	Dr. Sumitra	Demo: Candida & Cryptococcus Gram stained slides, LPCB mount, growth of yeast and mold	Dr. Rashmi
13/10/2023 Friday	12-1 pm	Sexually transmitted infections, Syphilis	Dr. Manisha	Laboratory diagnosis of syphilis	Dr. Ashima	Demo: VDRL slide, RPR slide, RPR kit, positive and negative RPR test	Dr. Sumitra
14/10/2023 Saturday	-	-	-	Laboratory diagnosis of syphilis	Dr. Ashima	Demo: VDRL slide, RPR slide, RPR kit, positive and negative RPR test	Dr. Sumitra
17/10/2023 Tuesday	12-1 pm	Gonorrhoea & NGU	Dr. Mukesh	-	-	-	-



18/10/2023 Wednesday	11-12 pm	Vulvovaginitis (Trichomoniasis, bacterial vaginosis, vaginal candidiasis)	Dr. Rituparna	Student seminar: Hepatitis B Roll no. 31-35	Moderator: Dr. Rashmi	LGV, Donovanosis, Soft chancere	Dr. Nikhil
19/10/2023 Thursday	-	-	-	Student seminar: Hepatitis B Roll no. 106-110	Moderator: Dr. Rashmi	LGV, Donovanosis, Soft chancere	Dr. Nikhil
20/10/2023 Friday	12-1 pm	Ocular and ear infections	Dr. Moumita	Opportunistic infections Post-transplant infections	Dr. Rituparna	Bioterrorism Emerging and re- emerging infections	Dr. Sumitra
21/10/2023 Saturday	-	-	-	Opportunistic infections Post-transplant infections	Dr. Rituparna	Bioterrorism Emerging and re- emerging infections	Dr. Sumitra
24/10/2023 Tuesday	-	<b>DUSSERA HOLIDAY</b>					
25/10/2023 Wednesday	11-12 pm	Congenital infections	Dr. Manisha	Student seminar: HIV and AIDS Roll no. 36-40	Moderator: Dr. Moumita	National Health programs for communicable diseases Vector-borne infections and ectoparasite infestations	Dr. Nikhil
26/10/2023 Thursday	-	-	-	Student seminar: HIV and AIDS Roll no. 111-115	Moderator: Dr. Moumita	National Health programs for communicable diseases Vector-borne infections and ectoparasite infestations	Dr. Nikhil

*[Signature]*  
6/10/23

27/10/2023 Friday	12-1 pm	Organisms with oncogenic potential	Dr. Nikhil	Transfusion transmitted infections, Lab. acquired infections	Dr. Rituparna	Perform ZN staining	Dr. Nikhil
28/10/2023 Saturday	-	-	-	Transfusion transmitted infections, Lab. acquired infections	Dr. Rituparna	Perform ZN staining	Dr. Nikhil
31/10/2023 Tuesday	12-1 pm	Zoonotic infections	Dr. Ashima	-	-	-	-
01/11/2023 Wednesday	11-12 pm	Revision Antigen-Antibody reactions	Dr. Sumitra	Student seminar: Filariasis Roll no. 41-45	Dr. Ashima	Infection control: Hand hygiene. PPE. BMW	Dr. Rashmi Dr. Ruby
02/11/2023 Thursday	-	-	-	Student seminar: Filariasis Roll no. 116-120	Dr. Ashima	Infection control: Hand hygiene. PPE. BMW	Dr. Rashmi Dr. Ruby
03/11/2023 Friday	12-1 pm	Revision: Hypersensitivity	Dr. Rituparna	Clinical case/ exercise discussion	Dr. <del>Moumita</del> Nukesh	Demo: Culture media, biochemical reactions	Dr. Ashima Dr. Ruby
04/11/2023 Saturday	-	-	-	Clinical case/ exercise discussion	Dr. <del>Moumita</del> Nukesh	Demo: Culture media, biochemical reactions	Dr. Ashima Dr. Ruby
07/11/2023 Tuesday	12-1 pm	Revision * Lab. Diagnosis of bloodstream infections	Dr. Ashima	-	-	-	-

6/11/23

08/11/2023 Wednesday	11-12 pm	Revision Tuberculosis	Dr. Mukesh	Demo: Immunology spots	Dr. Nikhil	Perform Gram staining Gram staining Viva	Dr. Nikhil Dr. Rashmi
09/11/2023 Thursday	-	-	-	Demo: Immunology spots	Dr. Nikhil	Perform Gram staining Gram staining Viva	Dr. Nikhil Dr. Rashmi
10/11/2023 Friday	12-1 pm	Revision: Tetanus	Dr. Rituparna	Demo: Bacterial growth and fungal growth on different culture media	Dr. Sumitra	Perform ZN staining ZN staining Viva	Dr. Sumitra Dr. Rashmi
11/11/2023 Saturday	-	-	-	Demo: Bacterial growth and fungal growth on different culture media	Dr. Sumitra	Perform Gram staining Gram staining Viva	Dr. Sumitra Dr. Rashmi
14/11/2023 Tuesday	12-1 pm	Revision	Dr. Moumita	-	-	-	-
15/11/2023 Wednesday	11-12 pm	Revision	Dr. Manisha	Perform ZN staining File and Log book check			Dr. Sumitra Dr. Rashmi

### END OF SEMESTER



**Dr. Manisha Khandait**  
Professor & HOD,  
Department of Microbiology,  
FMHS, SGT University



**DEPT OF FORENSIC MEDICINE & TOXICOLOGY**

**TEACHING SCHEDULE (Practical) of 3<sup>rd</sup> Prof Part I, BATCH- 2020**

**PRACTICAL TEACHING SCHEDULE OF 3<sup>rd</sup> Year, BATCH- 2020**

<u>DAY</u>	<u>DATE</u>	<u>TIMING</u>	<u>TOPIC</u>	
WED	01/02/2023	2 - 4PM	Demonstrate the correct technique to perform and identify ABO and RH blood group (FM 14.8) VI with Pathology, Physiology (SDL)	Dr. Alif
WED	08/02/2023	2 - 4PM	Examination of skeletal remains (FM 14.9) (SDL)	Dr. Sumit Tellewar
WED	15/02/2023	2 - 4PM	Demonstrate ability to identify and prepare medicolegal inference from specimens obtained from various types of injuries (FM 14.10) (SDL)	Dr. Manoj
WED	01/03/2023	2 - 4PM	Weapon examination and preparing a weapon report (FM 14.11) (SGD)	Dr. Alif
WED	08/03/2023	2 - 4PM	HOLI	
WED	15/03/2023	2 - 4PM	Contents and Structure of Bullet and Cartirages (FM 14.12)(SGD)	Dr. Manoj
WED	05/04/2023	2 - 4PM	Age of Fetus (FM 14.13)(SGD)	Dr. Alif
WED	12/04/2023	2 - 4PM	Sexual offences Rape Accused Examination (FM 14.14)(SGD)	Dr. Manoj
WED	19/04/2023	2 - 4PM	Sexual offences Rape Victim Examination (FM 14.15)(SGD)	Dr. Manoj



Faculty of Medicine & Health Sciences  
DEPARTMENT OF **PHYSIOLOGY**

Teaching Schedule MBBS 1<sup>st</sup> Year 2022-23 Batch

Lecture Schedule August 2023

Date - 31/07/2023

Date	Class (Semester)	Topic	Teacher	Cr. No.
01/08/2023 Tuesday 9-10am	2 <sup>nd</sup>	Endocrinal functions of hypothalamus and anterior pituitary gland	Dr. HN Mallick	4
02/08/2023 Wednesday 1:45 to 2:45 pm	2 <sup>nd</sup>	Post pituitary Gland	Dr. HN Mallick	4
03/08/2023 Thursday 9-10am	2 <sup>nd</sup>	Thyroid gland- I	Dr. Harminder	4
05/08/2023 Saturday 2-3 pm	2 <sup>nd</sup>	Seminar		4
05/08/2023 Saturday 3-4 pm	2 <sup>nd</sup>	Seminar		4
07/08/2023 Monday 10-11 am	2 <sup>nd</sup>	Thyroid gland- II	Dr. Harminder	4
08/08/2023 Tuesday 9-10am	2 <sup>nd</sup>	Adrenal Cortex	Dr. HN Mallick	4
09/08/2023 Wednesday 1:45 to 2:45 pm	2 <sup>nd</sup>	Adrenal Medulla	Dr. Meenakshi	4
10/08/2023 Thursday 9-10 am	2 <sup>nd</sup>	Bone physiology calcium homeostasis, parathyroid, calcitonin & vitamin D-I	Dr. Nimarpreet	4
12/08/2023 Saturday 1:45 to 4pm	2 <sup>nd</sup>	Seminar		4
14/08/2023 Monday 10-11am	2 <sup>nd</sup>	Pancreas - (Endocrine)-I	Dr. Deepti	4
16/08/2023 Wednesday 1:45 to 2:45 pm	2 <sup>nd</sup>	Pancreas -II	Dr. Deepti	4
17/08/2023 Thursday 9-10am	2 <sup>nd</sup>	Bone physiology calcium homeostasis, parathyroid, calcitonin & vitamin D-II	Dr. Nimarpreet	4
21/08/2023 Monday 10-11 am	2 <sup>nd</sup>	<b>Introduction, Sex differentiation and development</b>	Dr. Meenakshi	4

22/08/2023 Tuesday 9-10 am	2 <sup>nd</sup>	Puberty, control of onset of puberty, applied aspects, menopause	Dr. Harminder	4
23/08/2023 Wednesday 1-45 to 2-45pm	2 <sup>nd</sup>	Menstrual cycle, anovulatory cycle, indicators of ovulation hormonal regulation of menstrual cycle	Dr. Nimarpreet	4
24/08/2023 Thursday 9-10 am	2 <sup>nd</sup>	Hormonal Regulation of menstrual cycle	Dr. Nimarpreet	4
26/08/2023 Saturday 1-45 to 4pm	2 <sup>nd</sup>	Seminar		4
28/08/2023 Monday 10-11 am	2 <sup>nd</sup>	Contraception	Dr. Deepti	4
29/08/2023 Tuesday 9-10 am	2 <sup>nd</sup>	Physiology of Male Reproductive system -I	Dr. HN Mallick	4
30/08/2023 Wednesday 1-45 to 2-45 pm	2 <sup>nd</sup>	Physiology of Male Reproductive system-II	Dr. HN Mallick	4
31/8/2023 Thursday 9-10 am	2 <sup>nd</sup>	Pregnancy, fertilization and applied & Maternal changes during pregnancy	Dr. Nimarpreet	4
4/9/2023 Monday 10-11 am	2 <sup>nd</sup>	Parturition	Dr. Meenakshi	4
5/9/2023 9-10 am	2 <sup>nd</sup>	Lactation	Dr. Harminder	4

MBBS Incharge  
Dr. Nimarpreet Kaur

Dr. HN Mallick  
Professor & Head, Physiology  
FMHS, SGT University



# SGT University, Budhera Gurugram (HR)

## Faculty of Medicine & Health Sciences Time Table – M.B.B.S. 1<sup>st</sup> Professional (Batch-2022-23)

**ANATOMY**

DAYS	9 – 10 am	10 – 11 am	11 – 01 am
31.07.23 Wednesday			Kidney Dr. Susmita Saha Demo Kidney All Faculty
01.08.23 Thursday		Visceral Gut Dr. Gagandeep Kaur	Demonstration All Faculty
02.08.23 Wednesday		Portal Vein – PCA Dr. Prachi Saffar	Demonstration All Faculty
03.08.23 Thursday			Revision Gen. Embryology Dr. Sreekala Dissection All Faculty
04.08.23 Friday	Supra Renal Gland Dr. Nidhi Lal	Posterior Abdominal Wall Dr. Gagandeep Kaur	
05.08.23 Saturday	Urinary Bladder Dr. Susmita Saha		Revision Histology All Faculty
07.08.23 Monday			Dissection All Faculty
08.08.23 Tuesday		Perineum-I Dr. Nidhi Lal	Dissection All Faculty
09.08.23 Wednesday		Perineum-II Dr. Nidhi Lal	Dissection All Faculty
10.08.23 Thursday			Peritoneum, PCA Dr. Prachi S Aneja
11.08.23 Friday		Ischiorectal Fossa Dr. Nidhi Lal	Female Reproductive System Dr. Susmita Saha
12.08.23 Saturday	Female Reproductive System Dr. Susmita Saha		Demo Female Reproductive System All Faculty
14.08.23 Monday			Male Reproductive System Dr. Vibhash Kumar

Prof. Dr. Nidhi Lal  
Department of Anatomy  
SGT Medical College, Budhera & Riverchurn  
Gurgaon, Haryana



SEMESTER  
STARTING  
SEPTEMBER

August 20th

GYN & OBS

TUES	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of <b>Genital Tuberculosis</b> .	
Sept 22 22/8/23		
THURS	Describe the causes, prevention, clinical features, principles of management of <b>Genital Injuries and fistulae</b> .	
31/8/23		
SAT	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of <b>Sexually transmitted infections</b> .	2/9/23 ↳ PID
16/9/23		
TUES	Describe and discuss the etiology, classification, clinical features, diagnosis, investigations, principles of management and preventive aspects of <b>prolapse of uterus part 1</b> .	
THURS	Describe and discuss the physiology of menopause, symptoms, prevention, management and the role of <b>Hormone Replacement therapy</b> .	
SAT	Enumerate the methods to prevent cancer of cervix including visual inspection with acetic acid (VIA), visual inspection of cervix with Lugol's Iodine (VILI), pap smear and colposcopy.	
9/9/23		
TUES	Describe and discuss the etiology, classification, clinical features, diagnosis, investigations, principles of management and preventive aspects of <b>prolapse of uterus part 1</b> .	
THURS	Describe and discuss aetiology, pathology, staging clinical features, differential diagnosis, investigations, staging laparotomy and principles of management of endometrial cancer.	
SAT	Describe the principles of management including surgery and	

## SYLLABUS

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Inte
PY8.5	Describe the metabolic and endocrine consequences of obesity & metabolic syndrome. Stress response. Outline the psychiatry component pertaining to metabolic syndrome.	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY8.6	Describe & differentiate the mechanism of action of steroid, protein and amine hormones	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		

### Topic: Reproductive Physiology

Number of competencies: (12)

Number of procedures that require certification: (NIL)

PY9.1	Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination.	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY9.2	Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY9.3	Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY9.4	Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY9.5	Describe and discuss the physiological effects of sex hormones	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY9.6	Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology Community M
PY9.7	Describe and discuss the effects of removal of gonads on physiological functions	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		

# Physiology

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Inter
PY9.8	Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology
PY9.9	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	Y	Lecture, Small group discussion	OSPE/Viva voce		
PY9.10	Discuss the physiological basis of various pregnancy tests	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology
PY9.11	Discuss the hormonal changes and their effects during perimenopause and menopause	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology
PY9.12	Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		Obstetrics & Gynaecology

## Topic: Neurophysiology

Number of competencies: (20)

Number of procedures that require certification: (09)

PY10.1	Describe and discuss the organization of nervous system	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY10.2	Describe and discuss the functions and properties of synapse, reflex, receptors	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY10.3	Describe and discuss somatic sensations & sensory tracts	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY10.4	Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY10.5	Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		
PY10.6	Describe and discuss Spinal cord, its functions, lesion & sensory disturbances	K	KH	Y	Lecture, Small group discussion	Written/Viva voce		

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical In
	<b>FORENSIC MEDICINE</b>							
FM3.16	<b>SEXUAL OFFENCES</b> Describe and discuss adultery and unnatural sexual offences- sodomy, incest, lesbianism, buccal coitus, bestiality, indecent assault and preparation of report, framing the opinion and preservation and despatch of trace evidences in such cases	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology Psychiatry
FM3.17	Describe and discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology Psychiatry
FM3.18	Describe anatomy of male and female genitalia, hymen and its types. Discuss the medico-legal importance of hymen. Define virginity, defloration, legitimacy and its medicolegal importance	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology
FM3.19	Discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy, precipitate labour superfoetation, superfecundation and signs of recent and remote delivery in living and dead	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology
FM3.20	Discuss disputed paternity and maternity	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology
FM3.21	Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) - Prohibition of Sex Selection Act 2003 and Domestic Violence Act 2005	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology AETCOM
FM3.22	Define and discuss impotence, sterility, frigidity, sexual dysfunction, premature ejaculation. Discuss the causes of impotence and sterility in male and female	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology Medicine
FM3.23	Discuss Sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology



Number	COMPETENCY The student should be able to <u>ANATOMY</u>	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Teaching-Learning Methods	Assessment Methods	Number required to certify P
AN52.5	Describe the development and congenital anomalies of Diaphragm	K	KH	Y	Lecture	Written/ Viva voce	
AN52.6	Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	K	KH	Y	Lecture	Written/ Viva voce	
AN52.7	Describe the development of Urinary system	K	KH	Y	Lecture	Written/ Viva voce	
AN52.8	Describe the development of male & female reproductive system	K	KH	Y	Lecture	Written/ Viva voce	

**Topic: Osteology**

**Number of competencies: (4)**

**Number of procedures for certification: (NIL)**

AN53.1	Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	
AN53.2	Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	
AN53.3	Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	
AN53.4	Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	K/S	SH	N	Lecture, DOAP session	Viva voce/ skill assessment	

**Topic: Radiodiagnosis**

**Number of competencies: (3)**

**Number of procedures for certification: (NIL)**

AN54.1	Describe & identify features of plain X ray abdomen	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	
AN54.2	Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	



Number	COMPETENCY The student should be able to <i>PSYCHIATRY</i>	Domain K/S/A/C	Level K/KH/S H/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Inte
PS11.4	Describe the treatment of <b>personality</b> disorders including behavioural, psychosocial and pharmacologic therapy	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
PS11.6	Enumerate and describe the pharmacologic basis and side effects of drugs used in personality disorders	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
PS12.4	Describe the treatment of <b>psychosomatic</b> disorders including behavioural, psychosocial and pharmacologic therapy	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
PS12.6	Enumerate and describe the pharmacologic basis and side effects of drugs used in psychosomatic disorders	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
PS13.4	Describe the treatment of <b>psychosexual and gender identity</b> disorders including behavioural, psychosocial and pharmacologic therapy	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
PS18.1	Enumerate the indications and describe the pharmacology, dose and side effects of commonly use drugs in psychiatric disorders	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog

#### General Medicine

IM1.24	Describe and discuss the pharmacology of drugs including indications & contraindications in the management of heart failure including diuretics, ACE inhibitors, Beta blockers, aldosterone antagonists and cardiac glycosides	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacolog
IM1.27	Describe and discuss the role of penicillin prophylaxis in the prevention of rheumatic heart disease	K	KH	Y	Bedside clinic, Small group discussion	Written		Microbiology Pharmacolog
IM1.30	Administer an intramuscular injection with an appropriate explanation to the patient	S	SH	Y	Bedside clinic, Skill assessment	log book documentation of completion		Pharmacolog
IM2.15	Discuss and describe the medications used in patients with an acute coronary syndrome based on the clinical presentation	K	KH	Y	Lecture Small group discussion	Written/ Viva voce		Pharmacolog

# MICROBIOLOGY

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/ P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical integration	Horizontal Integration
M16.2	Identify the common etologic agents of upper respiratory tract infections (Gram Stain)	S	P	Y	DOAP session	Skill assessment	3	General Medicine	
M16.3	Identify the common etologic agents of lower respiratory tract infections (Gram Stain & Acid fast stain)	S	P	Y	DOAP session	Skill assessment	3	General Medicine	
<b>Topic: Genitourinary &amp; Sexually transmitted infections</b> Number of competencies: (3)      Number of procedures that require certification : (NIL)									
M17.1	Describe the etio-pathogenesis and discuss the laboratory diagnosis of infections of genitourinary system	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Surgery	
M17.2	Describe the etio-pathogenesis and discuss the laboratory diagnosis of sexually transmitted infections. Recommend preventive measures	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Dermatology, Venereology & Leprosy, Obstetrics & Gynaecology	
M17.3	Describe the etio-pathogenesis, clinical features, the appropriate method for specimen collection, and discuss the laboratory diagnosis of urinary tract infections	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Medicine	
<b>Topic: Zoonotic diseases and miscellaneous</b> Number of competencies: (16)      Number of procedures that require certification : (01)									
M18.1	Enumerate the microbial agents and their vectors causing Zoonotic diseases. Describe the morphology, mode of transmission, pathogenesis and discuss the clinical course, laboratory diagnosis and prevention	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Medicine	
M18.2	Describe the etio-pathogenesis of opportunistic infections (OI) and discuss the factors contributing to the occurrence of OI, and the laboratory diagnosis	K	KH	Y	Lecture	Written/ Viva voce		General Medicine	Pathology
M18.3	Describe the role of oncogenic viruses in the evolution of virus associated malignancy	K	KH	Y	Lecture	Written		General Medicine	Pathology