Sylhet MAG Osmani Medical College

Academic Calendar
&
Lesson Planner 2026

Phase III

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Contributors

All the teachers of the related subjects of Sylhet MAG Osmani Medical College

The academic calendar of Sylhet MAG Osmani Medical College is based on MBBS curriculum 2021.

The study methodology will be used as follows:

- Large group teaching
  - ➢ Lecture
  - ➢ Generic topic
- Small group teaching
  - ➢ Practical
  - ➢ Tutorial
- Clinical/Bedside teaching
- Integrated teaching

Subject	Number
Pathology	4-12
Microbiology	13-26
Community Medicine	27-39
Medicine & Allied	40-44
Surgery & Allied	45-51
Obstetrics & Gynaecology	52-55

Pathology

❖ Lecture

Time Frame	Topics	Teaching Hours
1st Quarter (January - March)		
Week 1	● Leukaemia's and related disorders- Leukaemia, Leukaemoid reaction. Subleukaemic leukaemia and Myelodysplastic syndrome ● Blood vessels: Atherosclerosis, vasculitis and tumors, Lipid profile. ● Heart: Ischemic heart diseases, hypertensive heart diseases and cardiac enzymes	● Saturday, Wednesday & Thursday 8 to 9 am
Week 2	● Heart: Congenital heart diseases, Rheumatic fever, Infective endocarditis, (Myocarditis, Pericarditis, Cardiomyopathy –Types and causes) ● Respiratory System: Congenital diseases, Inflammatory diseases-TB, Lung abscess, Pneumonia	
Week 3	● Respiratory system: ● COPD-Emphysema Chronic bronchitis, Bronchial asthma, Bronchiectasis, Bronchogenic carcinoma, Sputum examination. ● Urinary system / Renal system: Congenital kidney diseases, clinical presentation of renal diseases, Glomerular diseases- AGN. NS.	
Week 4	● Urinary system / Renal system: ● Tubulo-interstitial diseases, pyelonephritis, Renal calculi and Renal function tests ● Renal tumors & urinary bladder diseases- Cystitis and urinary bladder tumors.	
Week 5	● Lymphoproliferative disorders: Lymphadenitis, Lymphoma-types, morphology of Hodgkin lymphoma, Non-Hodgkin lymphoma, Multiple myeloma ● Myeloproliferative disorders: Polycythaemia, Myelofibrosis	
Week 6	● Eye & ENT: Tumour, sinusitis, Otitis media. ● CNS: Inflammation- Meningitis, brain abscess, Brain tumors- Glial tumors and others; Criteria of brain tumors, CSF examination ● Bones: Inflammation-Osteomyelitis, Bone tumors classification-Osteosarcoma;	

Week 7	● Joints: Rheumatoid arthritis. ● Soft tissue: soft tissue tumors ● Skin: Common terms, Inflammation, Blistering diseases, Pigmented skin lesions, premalignant & malignant conditions (SCC, BCC and malignant melanoma).	
Week 8	● Skin: premalignant & malignant conditions (SCC, BCC and malignant melanoma). ● Laboratory diagnosis & Report interpretation: Hematolymphoid system	
Week 9	● Morphology & Histopathology report interpretation: Respiratory system, kidney, Urinary bladder, CNS	
Week 10	● Morphology & Histopathology report interpretation: ● Bones, joints, soft tissue, Eye-ENT, Skin	
Week 11	Review class	
Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
Week 13	Review class	
2nd Quarter (April-June)		
Week 14-15	Review class	
Week 16-17	**1st Term Examination**	
Week 18	Feedback Class	
Week 19	● Oral cavity: Leukoplakia, Name of the carcinoma ● Salivary gland- inflammation, classification of tumors (pleomorphic adenoma). ● Esophagus-precursor lesions, risk factors and tumors ● Stomach: Gastritis, Peptic ulcer diseases, gastric carcinoma.	
Week 20	● Small and large intestine: Congenital diseases of GIT. Inflammatory bowel diseases, ulcers, Polyps, Acute appendicitis and Tumors of GIT. ● Gallbladder: Calculi, etiopathogenesis of cholecystitis, inflammation and tumors. ● Exocrine Pancreas: Inflammation and tumors	
Week 21	● Hepatobiliary: Acute and Chronic hepatitis, Hepatitis-B & C viral markers, Liver abscess, liver function tests.	

	● Hepatobiliary: Liver Cirrhosis, Portal hypertension, Hepatic failure & tumors.	
Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
Week 23	● Hepatobiliary, Gallbladder and pancreas: Remaining portion ● Male Genital System: Testis- inflammations and tumors: Semen analysis & Prostate- NHP. Tumors, PSA	
Week 24	● Male Genital System: Prostate- NHP. Tumors, PSA ● Female Genital System: Vaginal diseases- vaginitis, cyst: Cervix-cervicitis, polyps, CIN, Cervical tumors, PAP smear test. ● Female Genital System: Corpus of uterus-DUB, adenomyosis, endometriosis and uterine tumors; placenta; Ovary-cysts and tumors. Pregnancy test	
Week 25	● Female Genital System: Placenta, Pregnancy test ● Breast- Inflammatory & fibrocystic diseases, benign & malignant tumors- epidemiology, risk and prognostic factors: Investigation protocols, IHC-ER, PR, HER-2	
Week 26	● Endocrine (Thyroid gland): Hypo and hyperthyroidism; Thyroiditis-Hashimoto's thyroiditis, Graves' disease. Tumors of Thyroid gland -Types, predispositions, prognosis. Diagnosis of thyroid diseases. ● Endocrine (Pancreas): Diabetes mellitus, Types, Pathogenesis, complications, diagnosis. ● OGTT, Benedict's test.	
3rd Quarter (July-September)		
Week 27	● Clinical pathology report interpretation: Different systems	
Week 28	● Specimen and morphology: Salivary gland, Stomach, GIT, Gallbladder	
Week 29	● Specimen and morphology: Breast, Testis, Ovary, Placenta	
Week 30-35	Review class	

Week 36	**Study tour (5 Days)**	
Week 37-38	**RFST**	
Week 39	**2nd Term Examination**	
4th Quarter (October-December)		
Week 40	**2nd Term Examination**	
Week 41	Feedback Class	
Week 42	**Durga Puja (17.10.26–22.10.26)**	
Week 43	**Preparatory Leave**	
Week 44-52	**3rd Professional Examination & Result**	
****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	

❖ **Small Group Teaching (Tutorial & Practical)**

Time Frame	Topics	Teaching Hours
1st Quarter (January to March)		
Week 1	● Leukaemia's and related disorders- Leukaemia, Leukaemoid reaction. Subleukaemic leukaemia and Myelodysplastic syndrome ● Blood vessels: Atherosclerosis, vasculitis and tumors, Lipid profile. ● Heart: Ischemic heart diseases, hypertensive heart diseases and cardiac enzymes	2 classes/week 12 to 2.30 pm
Week 2	● Heart: Congenital heart diseases, Rheumatic fever, Infective endocarditis, (Myocarditis, Pericarditis, Cardiomyopathy –Types and causes) ● Respiratory System: Congenital diseases, Inflammatory diseases-TB, Lung abscess, Pneumonia	
Week 3	● Respiratory system: ● COPD-Emphysema Chronic bronchitis, Bronchial asthma, Bronchiectasis, Bronchogenic carcinoma, Sputum examination. ● Urinary system / Renal system: Congenital kidney diseases, clinical presentation of renal diseases, Glomerular diseases- AGN. NS.	
Week 4	● Urinary system / Renal system: ● Tubulo-interstitial diseases, pyelonephritis, Renal calculi and Renal function tests ● Renal tumors & urinary bladder diseases- Cystitis and urinary bladder tumors.	
Week 5	● Lymphoproliferative disorders: Lymphadenitis, Lymphoma-types, morphology of Hodgkin lymphoma, Non-Hodgkin lymphoma, Multiple myeloma ● Myeloproliferative disorders: Polycythaemia, Myelofibrosis	
Week 6	● Eye & ENT: Tumour, sinusitis, Otitis media. ● CNS: Inflammation- Meningitis, brain abscess, Brain tumors- Glial tumors and others; Criteria of brain tumors, CSF examination	

	● Bones: Inflammation-Osteomyelitis, Bone tumors classification-Osteosarcoma;	
Week 7	● Joints: Rheumatoid arthritis. ● Soft tissue: soft tissue tumors	
Week 8	● Skin: Common terms, Inflammation, Blistering diseases, Pigmented skin lesions, premalignant & malignant conditions (SCC, BCC and malignant melanoma). ● Laboratory diagnosis & Report interpretation: Hematolymphoid system	
Week 9	● Morphology & Histopathology report interpretation: Respiratory system, kidney, Urinary bladder, CNS	
Week 10	● Morphology & Histopathology report interpretation: ● Bones, joints, soft tissue, Eye-ENT, Skin	
Week 11	Review class	
Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
Week 13	Review class	
2nd Quarter (April-June)		
Week 14-15	Review class	
Week 16-17	**1st Term Examination**	
Week 18	Feedback Class	
Week 19	● Oral cavity: Leukoplakia, Name of the carcinoma ● Salivary gland- inflammation, classification of tumors (pleomorphic adenoma). ● Esophagus-precursor lesions, risk factors and tumors ● Stomach: Gastritis, Peptic ulcer diseases, gastric carcinoma.	
Week 20	● Small and large intestine: Congenital diseases of GIT. Inflammatory bowel diseases, ulcers, Polyps, Acute appendicitis and Tumors of GIT. ● Gallbladder: Calculi, etiopathogenesis of cholecystitis, inflammation and tumors. ● Exocrine Pancreas: Inflammation and tumors	
Week 21	● Hepatobiliary: Acute and Chronic hepatitis, Hepatitis-B & C viral markers, Liver abscess, liver function tests.	

	• Hepatobiliary: Liver Cirrhosis, Portal hypertension, Hepatic failure & tumors.	
Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
Week 23	• Hepatobiliary, Gallbladder and pancreas: Remaining portion • Male Genital System: Testis- inflammations and tumors: Semen analysis & Prostate- NHP. Tumors, PSA	
Week 24	• Male Genital System: Prostate- NHP. Tumors, PSA • Female Genital System: Vaginal diseases- vaginitis, cyst: Cervix- cervicitis, polyps, CIN, Cervical tumors, PAP smear test. • Female Genital System: Corpus of uterus-DUB, adenomyosis, endometriosis and uterine tumors; placenta; Ovary-cysts and tumors. Pregnancy test	
Week 25	• Female Genital System: Placenta, Pregnancy test • Breast- Inflammatory & fibrocystic diseases, benign & malignant tumors- epidemiology, risk and prognostic factors: Investigation protocols, IHC-ER, PR, HER-2	
Week 26	• Endocrine (Thyroid gland): Hypo and hyperthyroidism; Thyroiditis-Hashimoto's thyroiditis, Graves' disease. Tumors of Thyroid gland -Types, predispositions, prognosis. Diagnosis of thyroid diseases. • Endocrine (Pancreas): Diabetes mellitus, Types, Pathogenesis, complications, diagnosis. • OGTT, Benedict's test.	
3rd Quarter (July-September)		
Week 27	• Clinical pathology report interpretation: Different systems	
Week 28	• Specimen and morphology: Salivary gland, Stomach, GIT, Gallbladder	
Week 29	• Specimen and morphology: Breast, Testis, Ovary, Placenta	
Week 30-35	Review class	

Week 36	**Study tour (5 Days)**	
Week 37-38	**RFST**	
Week 39	**2nd Term Examination**	
4th Quarter (October-December)		
Week 40	**2nd Term Examination**	
Week 41	Feedback Class	
Week 42	**Durga Puja (17.10.26–22.10.26)**	
Week 43	**Preparatory Leave**	
Week 44-52	**3rd Professional Examination & Result**	
****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	

Microbiology

❖ Lecture

Time frame	Topics	Teaching hours
1st Quarter (January-March)		
Week 1	● Staphylococci: S. *aureus,* S. *epidermidis,* S. *saprophyticus* ● Enterococcus (VRE), MRSA, VRSA. Streptococci: Group A Streptococcus	● Sunday 8 to 9 am ● Monday 11 am to 12 pm ● Thursday 11am to 12 pm
Week 2	● *Streptococcus agalactiae* and *Streptococcus pneumonia* ● Neisseria: *N. gonorrhoea, N. meningitides, Corynebacterium diphtheria*	
Week 3	● Enterobacteriaceae: Classification: Salmonella, Shigella, *Esch. Coli* ● Other Enterobacteriaceae, definition and clinical significance of ESBL, MBL and NDM-producing bacteria. ● *Vibrio cholerae*	
Week 4	● *Helicobacter pylori* ● Mycobacterium: *M. tuberculosis* ● Atypical mycobacteria and *M. leprae*. MDR, XDR TB.	
Week 5	● Anaerobic bacteria: Clostridium: *Cl. tetani* ● Anaerobic bacteria: *Cl. botulinum*, *Cl. perfringens* ● Anaerobic bacteria: other anaerobic bacteria	
Week 6	● Bacillus: B. Anthracis, B. Cereus, B. Subtilis ● Spirochaetes ● *Treponema pallidum*	
Week 7	● Important characteristics and diseases produced by: Rickettsia, Haemophilus influenzae, Haemophilus *ducreyi* ● Important characteristics and diseases produced by: Mycoplasma, Chlamydia, , Nocardia, Actinomycetes species **Introduction: Immunology** ● Brief historical background ● Basic concepts of immunity: Definition, classification, types and components with examples.	
Week 8	**Immune system:** ● Organs, cells ● Soluble components **Antigens and Immunogens:**	

	● Terms and definitions: antigen, immunogen, hapten, epitope, paratope. Criteria of immunogenicity	
Week 9	**Major histocompatibility complex (MHC/ HLA):** ● Terms and definitions, types and distribution, clinical and biological significance. **Immunoglobulins and Antibodies:** ● Terms and definitions, classification, structure, biological properties and functions. ● Monoclonal antibodies. **Complements:** ● Terms and definitions, activation, biological functions and clinical significance, deficiency disorders	
Week 10	**Mechanisms of immune response:** ● Antibody and cell mediated immune response. ● Primary and secondary immune response **Hypersensitivity:** ● Terms and definitions, classifications, mechanisms, clinical significance with examples. ● Atopy, desensitization, tests for Type-I reaction: Patch test, RAST, serum IgE assay.	
Week 11	**Transplantation:** ● Terms and definitions, types and outline of prevention of graft rejection. **Tumour immunity:** ● Tumour antigens, role in diagnosis and clinical significance. ● Immunosurveillance **Tolerance and Autoimmunity:** ● Definition and classification of tolerance ● Terms and definitions, basic concepts and mechanism of development of autoimmunity.	
Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
Week 13	**Immunodeficiency disorders and immunotherapy:** ● Classification with examples **Agents of immunotherapy and biologics.** **Immunodiagnostic tests** ● Terms and definitions, types and applications in diagnostic medicine ● Agglutination, precipitation, ELISA, Western blot test, PCR and RT-PCR.	
2nd Quarter (April-June)		
Week 14	**Introduction:**	

	● Introduction to parasitology, common parasitic diseases of Bangladesh, Terms and definitions, classifications of parasites according to habitat ● Host: definition, classification with examples. **Intestinal, luminal and free-living protozoa:** **Entamoeba:** ● Classification ● Geographical distribution, morphology, disease, clinical features, pathogenesis, laboratory diagnosis and treatment. ● Extraintestinal amoebiasis.	
Week 15	***Giardia intestinalis* and *Trichomonas vaginalis*:** ● Morphology, transmission, disease, clinical features, pathogenesis, laboratory diagnosis and treatment. ● Acanthamoeba, Naegleria, Balamuthia and Sappinia **Blood and Tissue Protozoa:** **Leishmania species:** Classification, morphology, disease production. **Leishmania *donovani* and PKDL*:*** ● Geographical distribution, morphology, lifecycle, disease, clinical features, pathogenesis laboratory diagnosis and treatment. ● Cutaneous leishmaniasis: Causative agents, pathogenesis, lab diagnosis and management. ● Mucocutaneous leishmaniasis (MCL).	
Week 16-17	**1st term Examination**	
Week 18	Feedback Class	
Week 19	**Plasmodium species**: ● Epidemiology, morphology, lifecycle, disease, clinical features, pathogenesis, complications, laboratory diagnosis, treatment and prevention. ***Toxoplasma gondii, Cryptosporidium, Balantidium coli*** **Cestodes and Trematodes:** ● Classify according to habitat with examples ● Common characteristics of Cestodes, Trematodes and Nematodes. ● Morphology, lifecycle, diseases, clinical features, pathogenesis, laboratory diagnosis of *Taenia saginata* and *Taenia solium*, *T. asiatica.*	
Week 20	**Echinococcus: Different species** ● Morphology, lifecycle, disease, clinical features, pathogenesis and laboratory diagnosis and treatment. **Intestinal Nematodes:**	

	● Geographical distribution, morphology, lifecycle, disease, clinical features, pathogenesis, laboratory diagnosis of Ascaris *lumbricoides* ● Hookworm, *Trichuristrichiura*	
Week 21	● *Enterobius vermicularis*, *Strongyloides stercoralis.* ● Larva migrans and larva currens. ● Hyperinfection syndrome **Tissue nematodes:** ● Classification, morphology and mode of transmission, diseases produced. *Wuchereria bancrofti,* Morphology, lifecycle, disease (classical and occult filariasis, tropical pulmonary eosinophilia), clinical features, pathogenesis, complications, laboratory diagnosis and treatment of filariasis. Periodicity of microfilaria. Provocative test, ● *Brugia malayi, B. timori*, Parasites associated with cancer.	
Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
Week 23	**Additional:** ● Important characteristics and disease produced by: ● Hymenolepes *nana*, Diphylobothrium*latum, Dipylidium* ● Schistosoma ● Trypanosoma ● Loa *loa*, Onchocerca *volvulus* ● D. medinansis **Additional:** ● *Fasciolopsis buski*, *Fasciola hepatica*: habitat, disease, clinical features, laboratory diagnosis and treatment. ● Anisakis ● Cyclospora, Cystoisospora, Sarcocystis ● Trichinella **General virology:** ● Introduction to virology, common viral diseases in Bangladesh. ● Basic structure of virus ● Outline of viral replication	
Week 24	● Classification ● Lab diagnosis of viral diseases ● Antiviral agents **Herpes viruses:** ● Classification, important characteristics, diseases, important clinical features, transmission,	

	pathogenesis, complications ● Laboratory diagnosis, treatment and prevention Latency and reactivation of Herpes viruses.	
Week 25	**Orthomyxoviruses:** ● Important characteristics, diseases, important clinical features, transmission, pathogenesis, complications, laboratory diagnosis and prevention, management. **Paramyxoviruses:** ● Important characteristics, diseases, important clinical features, transmission, pathogenesis, complications, laboratory diagnosis and prevention, management. **Hepatitis viruses:** ● Classification, important characteristics, diseases, transmission, pathogenesis, complications, laboratory diagnosis, prevention and management.	
Week 26	**Polio virus** ● Important characteristics, diseases, transmission, pathogenesis, laboratory diagnosis and prevention ● Merits and demerits of oral and injectable polio vaccine **Rabies virus:** ● Important characteristics, diseases, transmission, pathogenesis, laboratory diagnosis and prevention and treatment, merits and demerits of different types of vaccines **Rota virus:** ● Diseases, transmission, pathogenesis, laboratory diagnosis, prevention and treatment	
3rd Quarter (July-September)		
Week 27	**HIV:** ● Classification, important characteristics, diseases (AIDS), transmission pathogenesis, laboratory diagnosis, prevention and treatment. **Dengue:** ● Important characteristics, diseases (DHF, DSS), transmission, pathogenesis, laboratory diagnosis, prevention and treatment. **Chikungunya:** ● Important characteristics, transmission, epidemiology, pathogenesis, laboratory diagnosis, prevention and treatment. **Coronavirus:**	

	● Important characteristics, epidemiology, transmission, pathogenesis, organs involved, clinical features, laboratory diagnosis, prevention and treatment of COVID-19 and other Coronaviruses.	
Week 28	**Other Emerging viral diseases** ● Avian flu, SARS, MERS, Nipah, Swine flu, Zika, Ebola etc. ● Important characteristics of virus, important clinical features, transmission, pathogenesis, laboratory diagnosis and prevention **Oncogenic virus**es ● Definitions, list of oncogenic viruses with their associated tumours. ● Latent and chronic viral infections. **Introduction: Mycology** ● Introduction to Mycology, beneficial and detrimental effects, morphology, classification ● Difference between fungus and bacteria ● Antifungal agents and antifungal drug resistance **Superficial and cutaneous mycoses:** ● Aetiological agents and diseases Transmission and pathogenesis, laboratory diagnosis of Pityriasis *versicolor*, Dermatophytosis,	
Week 29	**Candidiasis.** **Subcutaneous mycoses:** ● Aetiological agents and diseases ● Transmission, pathogenesis and Lab diagnosis. ● Rhinosporidiasis and Madura foot **Systemic mycoses**: ● Aetiological agents and diseases ● Transmission, pathogenesis and lab diagnosis. ● Histoplasmosis, Cryptococcal meningitis, Candidiasis, *Pneumocystis jirovecii*, fungus ball, mycotoxin ● Opportunistic fungal diseases	
Week 30	**Clinical Microbiology:** ● Collection of samples, transportation and storage ● Microbial diseases of Gastrointestinal and Hepatobiliary diseases	
Week 31	● Food poisoning ● Microbial diseases of Genito-Urinary system ● Microbial diseases of upper and lower Respiratory Tract	
Week 32	● Microbial diseases of CNS.	

	● Hospital Acquired Infections ● Microbial diseases of Bone and Soft Tissue	
Week 33	● Microbial diseases of Cardiovascular System ● Microbial diseases of eye, ear, nose and throat ● Pyrexia of unknown origin (Microbial cause with emphasis on blood culture).	
Week 34	● Infectious disease control and prevention. ● Collection, transport, preservation and lab tests of samples collected from COVID-19 patients. ● Use of different types of masks, sanitizers, PPE in the prevention of viral infections.	
Week 35	Review class	
Week 36	**Study tour (5 Days)**	
Week 37-38	**RFST**	
Week 39	**2nd Term Examination**	
4th Quarter (October-December)		
Week 40	**2nd Term Examination**	
Week 41	Feedback Class	
Week 42	**Durga Puja (17.10.26–22.10.26)**	
Week 43	**Preparatory Leave**	
Week 44-52	**3rd Professional Examination & Result**	
****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	

❖ Small Group Teaching (Tutorial & Practical)

Subject	Time frame	Tutorials/ practical		Teaching Hour
1st Quarter (January–March)				
General Bacteriology	Week 1	**Tutorial:** **Topic discussion:** Staphylococcus **Practical:** Demonstration of colony morphology of Staphylococcus, streptococcus	**Tutorial: Topic discussion** Streptococcus **Practical**: Demonstration of catalase test	Two classes/ week 12 to 2.30 pm
Systemic Bacteriology	Week 2	**Tutorial: Topic discussion** Streptococcus **Practical:** Demonstration of Coagulase, oxidase test	**Tutorial:** **Item:** Staphylococcus & Streptococcus **Practical:** Demonstration of colony morphology of Lactose fermenters and non-fermenters, E. coli, Proteus, Klebsiella, Pseudomonas	
	Week 3	**Tutorial: Topic Discussion:** Neisseria **Practical:** Demonstration of TSI, MIU test	**Item:** Neisseria, Corynebacterium **Practical:** Demonstration of Simmon's citrate test	
	Week 4	**Tutorial:** **Topic Discussion**: Enterobacteriaceae- E. coli. **Practical**: Antibiotic sensitivity test	**Tutorial:** **Topic Discussion:** Enterobacteriaceae- Salmonella, Shigella & Others **Practical:** Antibiotic sensitivity test	
	Week 5	**Tutorial:** **Item:** Enterobacteriaceae **Practical**: Antibiotic sensitivity test	**Tutorial:** **Topic discussion:** Vibrio **Practical**: Antibiotic sensitivity test	
	Week 6	**Tutorial:** **Topic Discussion:** Bacillus	**Tutorial:** **Topic Discussion:** Mycobacterium	

		Practical: Sterilization- Hot air oven, autoclave	**Practical:** Sterilization- chemical agents	
	Week 7	**Tutorial:** **Topic Discussion:** Mycobacterium **Practical:** Demonstration of colony morphology of Mycobacterium	**Tutorial Item:** Vibrio, Campylobacter, **Practical:** Demonstration of donning, doffing, wearing PPE, hand washing	
	Week 8	**Tutorial:** **Topic Discussion:** Anaerobic bacteria, Anaerobic culture **Practical:** Preparation of disinfectants	**Item:** Mycobacterium, Anaerobic bacteria, Anaerobic culture **Tutorial:** Topic discussion Rickettsia, Chlamydia, Mycoplasma	
	Week 9	**Tutorial:** **Topic Discussion:** Spirochetes **Item:** Rickettsia, Chlamydia, Mycoplasma	**Tutorial: Topic discussion** Spirochetes, **Tutorial: Topic discussion:** Additional bacteria	
	Week 10	**Item:** Spirochetes Haemophilus, Helicobacter, Bordetella, Bacillus	**Overview: Systemic Bacteriology**	
	Week 11	**Overview: Systemic Bacteriology**	**Tutorial:** **Topic discussion:** PCR, rt-PCR	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**		
Molecular Biology	Week 13	**Tutorial:** **Topic discussion:** DNA cloning, DNA recombination, Genetic engineering, Biotechnology, Gene therapy	**Item**: PCR, rt-PCR, DNA cloning, DNA recombination, Genetic engineering, Biotechnology, Gene therapy	
2nd Quarter (April-June)				
Immunology	Week 14	**Tutorial:** **Topic discussion:** Immunity, components, cells, organs	**Item:** Immunity, components, cells, organs & **Item:** Immunogen, Antigen	

			Item: Cytokines, Immune response	
	Week 15	**Tutorial:** **Topic discussion:** Immunoglobulins and antibodies **Practical**: Demonstration and Interpretation of Immunological tests- Widal test, RPR, ICT for HBsAg, Dengue, Chikungunya, HIV, HCV, COVID-19	**Tutorial:** **Topic discussion:** Hypersensitivity **Item:**Igs, antibody & Complements, MHC	
	Week 16-17	**1st Term examination**		
	Week 18	Feedback Class		
	Week 19	**Tutorial:** **Topic discussion:** Transplantation, Tumor immunity **Item**: Tolerance, Hypersensitivity, autoimmune disease	**Item:** Transplantation, Tumor immunity, Immunodeficiency & Immunological reaction **Overview Immunology**	
Parasitology	Week 20	**Tutorial:** **Topic discussion:** Introduction **Practical**: Demonstration of Cyst/ trophozoite of protozoa in stool by microscopy	**Tutorial** **Topic discussion:** Entamoeba, free living amoeba, Giardia, Balantidium **Practical:** Demonstration of urine for epithelial cell/ pus cell by microscopy	
	Week 21	**Item:** Introduction & **Item:** Entamoeba, free living amoeba, Giardia, Balantidium **Practical:** Demonstration of Urine for RBC, casts, parasite by microscopy	**Tutorial** **Topic discussion:** Leishmania, Trichomonas, Trypanosoma **Practical:** Examination of bone marrow for LD body	
	Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**		

	Week 23	**Tutorial** **Topic discussion**: Plasmodium, Toxoplasma, Babesia **Practical:** Demonstration of Malarial parasite in blood smear examination	**Tutorial** **Topic discussion:** Plasmodium, Toxoplasma, Babesia **Item:** Leishmania, Trichomonas, Trypanosoma	
	Week 24	**Tutorial** **Topic Discussion:** Intestinal Nematode **Item:** Plasmodium, Toxoplasma, Babesia	**Item:** Cestodes & Trematode **Practical**: Microscopic examination of stool for demonstration of Pus cell, macrophage, RBC	
	Week 25	**Tutorial** **Topic Discussion:** Tissue nematode **Practical:** Microscopic examination of stool for demonstration of ova/ larva of intestinal helminths	**Item:** Intestinal and tissue nematode **Practical:** Microscopic examination of stool for demonstration of ova/ larva of intestinal helminths	
	Week 26	**Tutorial: Topic discussion:** Additional Parasites **Overview: Parasitology**	**Overview: Parasitology**	
3rd Quarter (July-September)				
Virology	Week 27	**Tutorial** **Topic discussion:** General Virology **Tutorial** **Topic discussion:** Herpes	**Item:** General Virology **Item**: Herpes	
	Week 28	**Tutorial** **Topic discussion:** Orthomyxovirus and Corona **Item:** HIV	**Item:** Orthomyxovirus and Corona **Tutorial** **Topic discussion:** Hepatitis & oncogenic viruses	
	Week 29	**Item:** Hepatitis & oncogenic viruses	**Item:** Polio, Rabies, Rota, Dengue, Chikungunya, Zika	

	Week 30	**Practical:** PCR and RT-PCR **Overview: Virology**	**Overview: Virology**	
Mycology	Week 31	**Tutorial** **Topic discussion:** Superficial and cutaneous Fungus **Practical:** Microscopic examination of skin scraping for demonstration of fungal elements (dermatophytes and candida)	**Tutorial** **Topic discussion:** Subcutaneous, Deep & Opportunistic fungus **Item:** Basic structure, classification, antifungal drugs	
	Week 32	**Item:** Superficial and cutaneous Fungus **Item:** Subcutaneous, Deep & Opportunistic fungus	**Overview:** Mycology	
Clinical Microbiology	Week 33	**Tutorial:** **Topic discussion:** collection of samples, transportation and storage **Practical:** Microscopic examination of Gram stain smear of throat swab, wound swab, urethral discharge	**Tutorial:** **Topic discussion:** Microbial disease of Gastrointestinal and hepatobiliary diseases and food poisoning **Practical:** Modified Z-N stain for Cryptosporidium in stool	
	Week 34	**Item:** Examination of stool, morphology of common parasites found in stool, diarrhea-causes and diagnosis & Examination of sputum, throat swab, pus, wound swab, pleural fluid, ascitic fluid, genital specimen Causes of pneumonia, sore throat, wound infection, pleural effusion, ascites, vaginal discharge, urethral discharge. **Tutorial**	**Item** examination of urine, UTI Examination of CSF, meningitis Blood culture, PUO. **Tutorial** **Topic discussion:** Collection, transport, preservation and lab tests of samples collected from COVID-19 patients	

		Topic discussion: Microbial diseases of Genito-urinary system		
	Week 35	**Tutorial: Topic discussion:** Use of different types of masks, sanitizer, PPE in the prevention of viral disease **Practical:** Microscopic examination of sputum and urine by Z-N stain for AFB	**Item:** HAI & IPC, donning, doffing, hand washing, preparation of disinfectants, disposal of medical wastes. **Practical:** Examination of throat swab by Albert stain	
	Week 36	**Study tour (5 Days)**		
	Week 37-38	**RFST**		
	Week 39	**2nd Term Examination**		
4th Quarter (October-December)				
	Week 40	**2nd Term Examination**		
	Week 41	Feedback Class		
	Week 42	**Durga Puja (17.10.26–22.10.26)**		
	Week 43	**Preparatory Leave**		
	Week 44-52	**3rd Professional Examination & Result**		
	****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**		

Community Medicine
&
Public Health

❖ Lecture

Time Frame	Topics		Teaching Hours
1st Quarter (January-March)			
Week 1	**Concept of Public Health, Community Medicine, Health and Disease**	● Concept of Health and Disease, Dimensions of health, Spectrum of Health ● Concept of Public Health and Community Medicine, Common Health and Social problems, Health Team Concept ● Iceberg of disease, Difference between Community Medicine and Clinical Medicine ● Changing concepts of Health and Public Health, Natural history of disease ● Indicators and Determinants of Health ● Prevention and Intervention of Diseases, Levels of prevention, Characteristics of Ideal Health Care	● Sunday, Tuesday & Wednesday 11 am to 12 pm
Week 2	**Health For All, MDG and SDG**	● Definition: HFA and PHC, UHC, Principles and components of PHC ● Goal and indicators of HFA by the year of 2000 AD, Health related MDG and SDG, Components of ESP ● Name and Activities of important existing national health programs ● Levels of health care service delivery, Organizational structure for the delivery of PHC	

		• Important National organizations, Important International health organizations: WHO, UNICEF, RED CRESCENT, ICCDRB, CARE etc. • Concept, purpose and scope, evolution and diseases under IHR-2005	
Week 3	**Behavioral science**	• Concept of Behavior, Behavioral science, Psychology, Sociology, Anthropology, Society, Family, Culture • Personality and IQ, perception, cognition, learning, motivation, emotion, attitude • Motive and Motivation leadership, Maslow's need hierarchy	
Week 4	**Health Communication and Health Education**	• Definition of communication, Classification of communication, Functions of communication, Elements of communication, • Stages of adoption of a new idea, Barriers of communication • Media of communication • Methods of communication • Definition of health education, Objectives, Contents • Principles of health education • Approaches of health education	
Week 5	**Medical Entomology**	• Arthropods, Vector, Classification of Arthropods of medical importance, Vector borne diseases, Mode of transmission of vector borne diseases • Life cycle of mosquito, Mosquito borne diseases Malaria	

Week 6		• Mosquito borne diseases Filaria, Dengue, Chikungunya • Sand fly, Kala-azar, Scabies, Rat flea and Plague • Principles of Vector/Arthropod control measures, Insecticides	
Week 7	**Principles of Epidemiology**	• Epidemiology: Definition, Components, Uses, Epidemiological Approaches, Tools of measurements • Epidemiological Triad, Discussion on Agent, Environment and Susceptible Host • Epidemiological terms: Epidemic, Endemic, Pandemic, Exotic disease, Zoonotic disease, Sporadic disease, Incubation period, Period of Communicability, Isolation, Quarantine, Control Elimination and Eradication, Nosocomial infection	
Week 8		• Classification of epidemiological studies, Description of descriptive studies, Different between cross-sectional and longitudinal • Analytical studies, case-control studies • Cohort, Difference between Case control and Cohort studies • Characteristics of experimental studies, RCT • Steps of investigations of an epidemic Outbreak, Emerging and Reemerging diseases	

Week 9		• Chain of infection, Source and Reservoir, Mode of transmission of Communicable diseases • Principles of control of Communicable diseases • Surveillance, Definition, Types, Uses • Definition, classification, types and uses of screening specificity, sensitivity, validity, reliability • Definition and explanation of community diagnosis and Community treatment	
Week 10	**Research Methodology and Biostatistics**	• Definition of research, Importance of research, types of research, Research protocol introduction • Development and steps of research protocol, Formulation of research question and research objectives - general and specific • Data and Variable, Methods of Data collection • Data collection Instruments, Development of a questionnaire	
Week 11		• Population and Sample, types of Sampling • Sample size calculation • Introduction to Biostatistics, Uses of Biostatistics, Vital statistics, Definition and classification of Data and Variable • Methods and Tools of data collection, Data Analysis and Interpretation • Presentation of data	

		• Measures of Central tendency • Measures of dispersion • Normal distribution curve • Health Economics	
Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**		
Week 13	**Immunity, Immunization and Disinfection**	• Immunization: Definition, Classification; Immunizing agents • Immunization schedule (EPI schedule), Adverse Events following Immunization • Herd immunity, EPI and NID, Cold chain, left out and drop out • Disinfection	
2nd Quarter (April-June)			
Week 14	**Public Health Nutrition**	• Nutrition, Nutrient, Types of foods and its sources • Balanced diet, Definition, Characteristics, Calorie requirement of different groups, how to make a balanced diet • Assessment of Nutritional status • Protein Energy Malnutrition (PEM): Classification and prevention	
Week 15		• Important Vitamins and their deficiency diseases • Deficiency disorder of Important Minerals and trace elements • Programs related to Nutrition • Food borne, Milk borne diseases and Pasteurization, Food toxins • Food adulteration, additives and fortification	

		• Humanization of cow's milk	
Week 16-17	**1st Term Examination**		
Week 18	Feedback Class		
Week 19	**Environment and Health**	• Environment and its components, climate changes and global warming • Water: Safe and wholesome water, Sources, uses and requirement of water, Water impurities, Water quality standards for drinking water • Principles and methods of purification of water, Water borne diseases	
Week 20		• Air and Ventilation: Composition of air, Air pollutants and their sources, Indicators of air pollution, Effects of air pollution on health • Methods of prevention and control of air pollution • Climate change and greenhouse effect • Ventilation: Types with example, Importance of ventilation • Housing: Criteria of healthful housing, Housing standards, Effects of poor housing	
Week 21		• Light: Criteria of good lighting, Measurements of light, Effect of improper lighting on health • Noise: Sources and properties of noise, Acceptable noise levels, Effects of noise exposure, Control measures of noise • Radiation: Sources and types of radiation, Effects of radiation on	

		health, Measures of radiation protection ● Waste: Definition, Types of waste; Solid waste and its sources, Methods of disposal ● Health hazards of solid wastes, medical biotechnology ● Excreta: Methods of excreta disposal, Sanitation barrier, Diseases borne by human excreta	
Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**		
Week 23	**Public Health Administration and Management**	● Definition, Functions, Principles of Management and Administration ● Definition, Indication and Process of Planning and Planning Cycle ● Health Care Delivery System of Bangladesh; Organizational Structure of Health Care Delivery in Bangladesh including reporting, supervision, and monitoring ● Health Care Referral System in Bangladesh, Charter of duties of different health personnel	
Week 24	**Epidemiology of Communicable and Non-Communicable diseases**	● Definition and difference between CD and NCD, Epidemiology and Prevention of EPI diseases ● Epidemiology and Prevention of EPI diseases ● Diarrhoeal diseases and Enteric fever	
Week 25	**Epidemiology of Communicable and**	● Malaria, Kala-azar, Filaria, Helminthiasis ● TB and Leprosy	

	Non-Communicable diseases	● ARI, SARS (Covid 19), Bird flu, Nipah virus, COVID 19 ● Rabies ● Dengue, Yellow fever ● STI, STDs	
Week 26		● Viral Hepatitis ● Emerging and Re-emerging Diseases ● Epidemiology and Prevention of NCD, Hypertension, IHD, ● CVD (Stroke), Rheumatic fever and RHD ● Cancer ● Diabetes ● Obesity ● Arsenicosis	
3rd Quarter (July-September)			
Week 27	**MCH-FP and Demography**	● Postnatal care ● IYCF: Concept and recommended feeding practices ● Breast feeding, advantage, Contraindication, Formula feeding, Colostrum ● Complementary feeding and its importance ● Domiciliary and Institutional delivery; Emergency Obstetric and Neonatal care (EMONC)	
Week 28	**Family Planning**	● Concept of family planning, Aims and objectives of family planning, Contraceptive methods: Classification ● Contraceptive methods (OCP, IUCD, permanent methods)	

		• MR with use of medication (MRM) and difference with emergency contraceptive pills • PPFP and post abortion /MR/MRM family planning • LAM-lactational amenorrhea method, Eligible and target couples, safe period • CPR, TFR, unmet need discontinuation rate, MCH based family planning	
Week 29	**Demography**	• Demography: Definition of demography, Demographic processes, Demographic transition and indices • Population pyramid, Census • Fertility and its influencing factors	
Week 30	**School Health Services**	• Objectives of school health service, Aspects/components of school health service, School health clinic • Task of school health medical officer, Common Health problems of school children, School health emergencies, Mid-day school meal • Helpful school health environment, Different types of school desk and their importance	
Week 31	**Occupational Health**	• Occupational health and its objectives, Occupational environment, Occupational health hazards • Principles of prevention of occupational diseases, Employees' benefits	
Week 32-35	Review class		

Week 36	**Study tour (5 Days)**	
Week 37-38	**RFST**	
Week 39	**2nd Term Examination**	
4th Quarter (October-December)		
Week 40	**2nd Term Examination**	
Week 41	Feedback Class	
Week 42	**Durga Puja (17.10.26–22.10.26)**	
Week 43	**Preparatory Leave**	
Week 44-52	**3rd Professional Examination & Result**	
****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	

❖ Small Group Teaching

Small group	Teaching hours
Demonstration	Twice weekly 12 to 2.30 pm
Tutorial	
Classroom exercise	
Questions and answering session	
Brainstorming and discussion	
Role play	
Problem solving exercise	

❖ Practical

- COME (Community based medical education)
- 30 days (Day visit 10 days + RFST 10 days + 10 days Study tour)

❖ Generic Topics

Date	Topic	Time
1st month	Integrity and accountability of medical professionals	• Duration- 1.5 hours • Date will be determined by phase committee
2nd month	Aspects of good doctors	

❖ Integrated Teaching

Date	Topic	Subject	Time
1st month	Occupational and environmental hazard	Community Medicine	Monday 12 to 2.30 pm
2nd month	Shock	Pathology	
3rd month	Rheumatoid Arthritis/Osteomyelitis	Microbiology	
4th month	Snake bite	Community Medicine	
5th month	Glomerulonephritis	Pathology	
6th month	Different Viral Fevers Covid-19, Dengue, Chikungunya)	Microbiology	
7th month	Transportation injuries	Community Medicine	
8th month	Carcinoma Cervix	Pathology	
9th month	Disaster management	Community Medicine	

Medicine
&
Allied Subjects

❖ Lecture

Subject	Time frame	Topics	Teaching hours
1st Quarter (January-March)			
Medicine	Week 1	• Nutrients and vitamin deficiency	• Tuesday 8 to 9 am
	Week 2	• Obesity	
	Week 3	• Disorder related to temperature	
	Week 4	• Health hazards due to climate change	
	Week 5	• Approach to infectious disease-diagnostic & therapeutic principles	
	Week 6	• General principles & rational use of antibiotics	
	Week 7	• Enteric fever	
	Week 8	• Acute diarrhoeal disorder, cholera & food poisoning	
	Week 9	• Amoebiasis, giardiasis & helminthic diseases	
	Week 10	• Influenza, COVID-19, MERS & SARS	
	Week 11	• Malaria	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
	Week 13	• Kala-Azar	
2nd Quarter (April-June)			
	Week 14	• Filariasis	
	Week 15	• HIV & infections in immunocompromised conditions	
	Week 16-17	**Para-clinical 1st Term Examination**	
	Week 18	• Dengue	
	Week 19	• Chicken pox, herpes simplex & herpes zoster	
	Week 20	• Brucellosis, anthrax	
	Week 21	• Tetanus & rabies	
	Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
	Week 23	• Anaemia	
	Week 24	• Leukaemia	
	Week 25	• Lymphoma	
	Week 26	• Multiple myeloma	
3rd Quarter (July-September)			
	Week 27	• Bleeding disorders	

	Week 28	• Thalassemia	
	Week 29	• Coagulation disorders	
	Week 30	• Blood Transfusion	
	Week 31-33	Review class	
	Week 34	**Medicine Term Final Examination**	
	Week 35	Feedback Class	
	Week 36	**Study tour (5 Days)**	
	Week 37-38	**RFST**	
	Week 39	**Para-clinical 2nd Term Examination**	
4th Quarter (October-December)			
	Week 40	**Para-clinical 2nd Term Examination**	
	Week 42	Feedback Class	
	Week 42	**Durga Puja (17.10.26–22.10.26)**	
	Week 43	**Preparatory Leave**	
	Week 44-52	**3rd Professional Examination & Result**	
	****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	
1st Quarter (January-March)			
Paediatrics	Week 1	• Breast feeding	• Tuesday 7 to 8 am
	Week 2	• Complementary feeding	
	Week 3	• Growth & development	
	Week 4	• Failure to thrive • Early childhood development	
	Week 5	• PEM, SAM, CMAM	
	Week 6	• Vitamin deficiencies (Xerophthalmia, Rickets, Scurvy)	
	Week 7	• Micronutrient deficiencies (Iron, Zinc, Calcium) • Obesity	
	Week 8	• Enteric fever	
	Week 9	• Malaria • Kala-azar	
	Week 10	• Tetanus	
	Week 11	• Diphtheria • Pertussis	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
	Week 13	• Poliomyelitis	
2nd Quarter (April-June)			
	Week 14	• Measles • Mumps	

	Week 15	• Dengue	
	Week 16-17	**Para-clinical 1st Term Examination**	
	Week 18	• Tuberculosis	
	Week 19	• ARI • Pneumonia • Bronchiolitis	
	Week 20	• Childhood asthma	
	Week 21	• Croup & other causes of stridor & their management	
	Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
	Week 23	• Diarrhoeal disorders & management • Acute watery diarrhoea • Dysentery • Persistent diarrhoea	
	Week 24	• Abdominal pain & helminthiasis	
	Week 25	• Kerosene poisoning • Organophosphorus compound poisoning	
	Week 26	• Snake bite • Drowning	
3rd Quarter (July-September)			
	Week 27	• Review Class	
Transfusion medicine	Week 28	• Lecture 1	• Tuesday 7 to 8 am
	Week 29	• Lecture 2	
	Week 30	• Lecture 3	

❖ Small Group Teaching

All the groups should be rotated accordingly in departments over the year

Time frame	Category	Teaching hours
Week 1	Tutorial	● Saturday to Monday 7 am to 8 am ● At ward tutorial room- during clinical placement
Week 2	Tutorial	
Week 3	Tutorial	
Week 4	Problem Based Learning	
Week 5	Practical Demonstration & Instrumental demonstration	
Week 6	Skill Lab	

❖ Clinical/ Bedside teaching

This will be done according to the **ward placement** schedule. Morning classes are from 9.00am -11.00am and evening classes are from 7.00pm-9.00pm daily.

- Internal Medicine: 08 weeks
- Psychiatry: 2 weeks
- Dermatology: 2 weeks
- Emergency: 2 weeks

Due emphasis should be given on the followings

- ITEM completion
- Card completion
- Ward final examination (OSCE)

Surgery
&
Allied Subjects

❖ Lecture

Subject	Time frame	Topics	Teaching hours
1st Quarter (January-March)			
Surgery	Week 1	• Metabolic response to injury	• Saturday 11-12pm
	Week 2	• Metabolic response to injury	
	Week 3	• Principles of Management of Trauma	
	Week 4	• Management of a severely injured patient	
	Week 5	• Fluid and electrolytes balance	
	Week 6	• Enteral and Parenteral nutrition	
	Week 7	• Abdominal trauma (Diagnostic and Management principles) • Ruptured Spleen • Ruptured liver • Ruptured intestine	
	Week 8	• Abdominal trauma (Diagnostic and Management principles) • Ruptured Spleen • Ruptured liver • Ruptured intestine	
	Week 9	• Urinary symptoms & definitions	
	Week 10	• Urological investigations and their interpretations,	
	Week 11	• Urological investigations and their interpretations	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
	Week 13	• Developmental genito-urinary anomalies	
2nd Quarter (April-June)			
	Week 14	• Scrotal swelling ➢ Hydrocele ➢ Scrotal cellulitis	
	Week 15	• Scrotal swelling ➢ Hydrocele ➢ Scrotal cellulitis	
	Week 16-17	**Para-clinical 1st Term Examination**	
	Week 18	• Acute scrotal conditions ➢ Epididymo- orchitis ➢ Torsion testis	

	Week 19	• Vaso Occlusive disorders ➢ Atherosclerosis, ➢ Buerger's disease ➢ Varicose vein	
	Week 20	• Thrombophlebitis • Deep vein thrombosis	
	Week 21	• Pulmonary embolism	
	Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
	Week 23	• Angioplasty, CABG and cardiac surgery	
	Week 24	• Principles of Asepsis & Antisepsis	
	Week 25	• Pre-operative assessment & preparation	
	Week 26	• Venus access • Circumcision	
3rd Quarter (July-September)			
	Week 27	• Operation for hydrocele • Repair of D.U perforation • Wound care	
	Week 28-33	Review class	
	Week 34	**Surgery Term Final Examination**	
	Week 35	Feedback Class	
	Week 36	**Study tour (5 Days)**	
	Week 37-38	**RFST**	
	Week 39	**Para-clinical 2nd Term Examination**	
4th Quarter (October-December)			
	Week 40	**Para-clinical 2nd Term Examination**	
	Week 41	Feedback Class	
	Week 42	**Durga Puja (17.10.26–22.10.26)**	
	Week 43	**Preparatory Leave**	
	Week 44-52	**3rd Professional Examination & Result**	
	****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	
1st Quarter (January-March)			
Orthopaedics	Week 1	• Introduction to orthopaedics • Hard tissue trauma	• Monday 8 to 9 am
	Week 2	• Fracture classification- Principal of management of open and closed fracture	

	Week 3	● Fracture healing –nonunion, malunion, delayed union.	
	Week 4	● Infection of bone (Acute and chronic osteomyelitis)	
	Week 5	● Infection of bone (Acute and chronic osteomyelitis)	
	Week 6	● Colles' fracture	
	Week 7	● Supracondylar fracture	
	Week 8	● Clavicle fracture	
	Week 9	● Radius Ulna fracture (Shaft)	
	Week 10	● Radius Ulna fracture (Shaft)	
	Week 11	● Humerus fracture (Shaft)	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
	Week 13	● Fracture of Shaft of femur	
2nd Quarter (April-June)			
	Week 14	● Fracture tibia fibula	
Anaesthesia	Week 15	● Anesthesia as a subject: its scope, outline- present & future ● Anesthesia Pharmacology: ● Drugs: induction, maintenance, muscle relaxants	● Monday 8 to 9 am
	Week 16-17	**Para-clinical 1st Term Examination**	
	Week 18	● Intraoperative management ● Post-operative management and complication	
	Week 19	● General anesthesia (G.A) ● Local/Regional anesthesia ● Management of Pain (chronic)	
	Week 20	● Intensive Care Unit (ICU) ● Basic life support. ● Cardio-Pulmonary Resuscitation (CPR)	
1st Quarter (January-March)			
Urology	Week 1	● Urinary symptoms & definitions	Thursday 7 to 8 am
	Week 2	● Urinary symptoms & definitions	
	Week 3	● Urological investigations and their interpretations,	
	Week 4	● Urological investigations and their interpretations,	
	Week 5	● Urological investigations and their interpretations,	

	Week 6	● Developmental genito-urinary anomalies ● Scrotal swelling ● Hydrocele ● Scrotal cellulitis	
	Week 7	● Acute scrotal conditions ● Epididymo- orchitis ● Torsion testis	
Paediatric Surgery	Week 8	● Examination of a child and neonate (Special considerations)	Thursday 7 to 8 am
	Week 9	● Infantile Inguino scrotal swellings	
	Week 10	● Acute abdomen in infants & children	
	Week 11	● Congenital hypertrophic pyloric stenosis	

❖ Small Group teaching

All the groups should be rotated accordingly in departments over the year

Time frame	Category	Teaching hours
Week 1	Tutorial	• Saturday to Sunday 7 to 8 am • At ward tutorial room— during clinical placement
Week 2	Tutorial	
Week 3	Tutorial	
Week 4	Tutorial	
Week 5	Tutorial	
Week 6	Tutorial	
Week 7	Tutorial	
Week 8	Problem Based Learning	
Week 9	Problem Based Learning	
Week 10	Problem Based Learning	
Week 11	Problem Based Learning	
Week 12	Practical Demonstration & Instrumental demonstration	
Week 13	Practical Demonstration & Instrumental demonstration	
Week 14	Skill Lab	
Week 15	Skill Lab	

❖ Clinical/ Bedside teaching

This will be done according to the **ward placement** schedule. Morning classes are from 9.00am -11.00am and evening classes are from 7.00pm-9.00pm daily.

- Surgery: 1 week
- Orthopaedics: 4 weeks
- Radiotherapy: 1 week
- Neurosurgery: 1 week
- Ophthalmology: 4 weeks
- Otolaryngology: 4 weeks

Due emphasis should be given on the followings

- ITEM completion
- Card completion
- Ward final examination (OSCE)

Obstetrics

&

Gynaecology

❖ Lecture

Subject	Time frame	Topics	Teaching hours
1st Quarter (January-March)			
Obstetrics & Gynaecology	Week 1	• Conception and development of fetoplacental unit	Wednesday 7 to 8 am
	Week 2	• Fertilization, implantation, placental barrier	
	Week 3	• Placenta, amniotic fluid and umbilical cord: Development, structure and function	
	Week 4	• Anatomical and physiological changes during pregnancy	
	Week 5	• Diagnosis of pregnancy	
	Week 6	• Antenatal care (Objectives, principles, Identification of high-risk pregnancy	
	Week 7	• Nutrition during pregnancy, lactation and counseling	
	Week	• Involution	
	Week 9	• Basic anatomy of uterus, ovaries, tubes, vagina and vulva	
	Week 10	• Development & developmental anomaly of genital organs	
	Week 11	• Puberty, menstruation, ovulation	
	Week 12	**Eid-Ul-Fitr (18.03.26-25.03.26)**	
	Week 13	• Fertilization and implantation	
2nd Quarter (April-June)			
	Week 14	• Abortion (Definition, types, cause and management)	
	Week 15	• Ectopic pregnancy (Definition, clinical feature, diagnosis, management)	
	Week 16-17	**Para-clinical 1st Term Examination**	
	Week 18	• Trophoblastic tumours (Hydatidiform mole, Choriocarcinoma)	
	Week 19	• Vomiting in early pregnancy	

	Week 20	• Definition, Stages, mechanism of normal labour	
	Week 21	• Management of normal labour	
	Week 22	**Eid–Ul-Adha (25.05.26–01.06.26)**	
	Week 23	• Normal puerperium (Physiology & Management)	
	Week 24	• Abnormal puerperium	
	Week 25	• Examination and care of newborn baby • Postnatal care	
	Week 26	• Physiological, vaginal discharge	
3rd Quarter (July-September)			
	Week 27	• Amenorrhoea (Types, causes and management)	
	Week 28	• Menorrhagia (Definition, cause and management)	
	Week 29	• Dysfunctional uterine bleeding (Definition, classification, diagnosis)	
	Week 30	• Fibroid uterus	
	Week 31	• Carcinoma cervix	
	Week 32	• Uterine prolapse	
	Week 33	Review Class	
	Week 34	**Gynaecology & Obstetrics Term Final Examination**	
	Week 35	Feedback Class	
	Week 36	**Study tour (5 Days)**	
	Week 37-38	**RFST**	
	Week 39	**Para-clinical 2nd Term Examination**	
4th Quarter (October-December)			
	Week 40	**Para-clinical 2nd Term Examination**	
	Week 41	Feedback Class	
	Week 42	**Durga Puja (17.10.26–22.10.26)**	
	Week 43	**Preparatory Leave**	
	Week 44-52	**3rd Professional Examination & Result**	
	****Week 49-50**	**Sports and cultural week** (02.12.26–11.12.26)**	

❖ Small Group Teaching

All the groups should be rotated accordingly in departments over the year

Time frame	Category	Teaching hours
Week 1	Tutorial	• Sunday to Monday 7 to 8 am • At ward tutorial room- during clinical placement
Week 2	Tutorial	
Week 3	Tutorial	
Week 4	Problem Based Learning	
Week 5	Problem Based Learning	
Week 6	Practical Demonstration	
Week 7	Instrumental demonstration	
Week 8	Skill Lab	

❖ Clinical/ Bedside teaching

This will be done according to the **ward placement** schedule. Morning classes are from 9.00am -11.00am and evening classes are from 7.00pm-9.00pm daily.

- Obstetrics & Gynaecology Indoor: 7 weeks
- Obstetrics & Gynaecology Outdoor: 1 week

Due emphasis should be given on the followings

- ITEM completion
- Card completion
- Ward final examination (OSCE)