

Quality with
Morality

**COURSE
GUIDE
PHASE-III**

SESSION 2021-2022
BATCH : 9th MBBS



**CHATTAGRAM INTERNATIONAL
MEDICAL COLLEGE (CIMC)**

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I am delighted to welcome 9th batch MBBS students to 4th year (phase-III). CIMC is one of the most prominent medical colleges in private sector in Bangladesh. Our mission is to achieve excellence in medical education, research and health care to the benefit of our community.

Medicine is unique because it combines the science of biology with the art of caring. It's a delicate balance between knowledge and empathy, between understanding the complexities of a disease and understanding the person who is experiencing it. You will not only be scientists, but also healers, counselors, and advocates for those who are vulnerable.

Never underestimate the power of a kind word, a gentle touch, or simply being there for someone in their time of need. It's in these small moments that the true essence of medicine comes alive.

Throughout your education, you will face countless challenges. There will be long nights of studying, moments of doubt, and tests that will push you to your limits. You will encounter patients whose stories will stay with you for a lifetime, and you will see suffering in ways you may never have imagined. But in those moments, I urge you to remember the reasons you chose this path — to help, to heal, and to make the world a better place.

Collaboration is the key in the medical world. Cherish the opportunity to learn from your peers, teachers and most importantly from your patients. Your journey is not solitary; it is a shared expedition towards a common goal-better health for all. So listen attentively, ask questions boldly and absorb the wealth of knowledge that surrounds you.

In the end, the title of "doctor" is not just about the knowledge you acquire or the skills you develop. It's about the difference you make in the lives of others. It's about the legacy of care, compassion, and dedication that you leave behind.

So, as you continue your medical education, I ask you to stay grounded in your sense of purpose. Remain humble, stay curious, and always, always remember why you chose this noble profession.

With best wishes.



Dr. Mohammed Sheran (Associate Professor, Department of Microbiology)

Phase III Coordinator

Basic Information About MBBS Course	
Name of the course:	Bachelor of Medicine & Bachelor of Surgery (MBBS)
Duration:	MBBS course comprises of 5 Years, followed by logbook based rotatory internship for one year
Course structure and duration:-	The MBBS course is divided into four phases

Phase	Duration	Subjects	
1st phase	1½ year	<ul style="list-style-type: none"> • Anatomy • Physiology • Biochemistry 	First Professional MBBS
2nd phase	1 year	<ul style="list-style-type: none"> • Pharmacology & Therapeutics • Forensic Medicine and Toxicology 	Second Professional MBBS
3rd phase	1 year	<ul style="list-style-type: none"> • Community Medicine and Public Health • Pathology • Microbiology 	Third Professional MBBS
4th phase	1½ year	<ul style="list-style-type: none"> • Medicine & Allied subjects • Surgery & Allied subjects • Obstetrics and Gynaecology 	Final Professional MBBS

3 rd Phase									
Subject	Lecture (in hours)	Tutorial	Practical	Integrated teaching	Formative Exam		Summative		Total
					Preparatory	Exam time	Preparatory	Exam time	
Community Medicine and Public Health	110	155	30 days	18 hours	07 days	12 days	07 days	12 days	265+ 30 days
Pathology	60	54	27						141
Microbiology	87	38	30						155
Total	257	247	57 hours+30 days	18					561 +30 days
(Time for exam. preparatory leave and formative and summative assessment is common for all subjects of the phase)									

Third Professional Examination

Subjects	Written marks	Oral marks	Practical	Formative	Total
Community Medicine and Public Health	90	100	100	10	300
Pathology	90	100	100	10	300
Microbiology	90	100	100	10	300
Total					900

Common Classes (Generic Topics)-3 hours

The following two topics will be taught within 3rd phase under supervision of Phase-III coordination committee in collaboration with medical education unit (MEU). The sessions will be under the guidance of Principal & Vice-principal, coordinated by concerned departments and sessions will be delivered by concerned experts of the topics. Each session will be one and half hour. Attending these session will be mandatory and will be reflected in the formative & summative assessment of Phase-III.

Topics:

1. Integrity and accountability of medical professionals.
2. Aspects of a good doctor.

Integrated Teaching in phase III

All the departments of Phase III (Community Medicine & Public Health, Pathology, and Microbiology) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical & others departments will also participate actively.

Topics	Discipline involved
Occupational and Environmental hazard	Community Medicine & Public Health, Forensic medicine & Toxicology, Medicine/Respiratory medicine, Skin and VD, Microbiology, Pathology
Snake bite	Community medicine & Public Health, Forensic medicine & Toxicology, Medicine/Neuro medicine, Pathology, Pharmacology
Transportation injuries	Community medicine & Public Health, Forensic medicine & Toxicology, Orthopedic surgery, Neurosurgery, Physical medicine, Internal medicine
Disaster management	Community medicine & Public Health, Forensic medicine & Toxicology, Medicine, Orthopedic surgery, Neurosurgery, Physical medicine,
Shock	Pathology, Microbiology, Medicine, Pharmacology, Forensic Medicine & Toxicology
Glomerulonephritis	Pathology, Microbiology, Pharmacology, Medicine, Nephrology, Paediatrics, Forensic Medicine & Toxicology
Rheumatoid Arthritis/ Osteomyelitis	Microbiology, Pharmacology, Pathology, Orthopaedic surgery/Surgery, Physical Medicine/Medicine, Forensic Medicine & Toxicology
	Microbiology, Pharmacology, Pathology, Orthopaedic surgery/Surgery, Forensic Medicine & Toxicology
Different Viral Fevers (Covid-19, Dengue, Chikungunya)	Microbiology, Pathology, Pharmacology, Community Medicine & Public Health, Medicine/Respiratory Medicine, Forensic Medicine & Toxicology
Carcinoma Cervix	Pathology, Microbiology, Pharmacology, Gynaecology, Oncology, Forensic Medicine & Toxicology

Chattagram International Medical College

Department of Community Medicine and Public Health

**206/1, Haji Chand Meah Road, Shamserpara, Chandgaon,
Chittagong, Bangladesh, Chittagong**

Department of Community Medicine and Public Health

Faculty Members

Dr.Md.Parvez Iqbal Sharif

Associate Professor& Head of the Department

Dr. Fahmida Shammi

Assistant Professor

Lecturer-1 and 2

Academic Calendar

Term & Duration	Classes	Subjects	Term Examination
1 st Term	Lecture Tutorial Practical	<ol style="list-style-type: none"> 1. Concept of Public Health, Community Medicine, Health and Diseases 2. HFA. Primary Health Care, Universal Health Coverage and existing National Health Programmes, MDGs & SDGs 3. Behavioral Science 4. Health Communication & Health Education 5. Medical Entomology 6. Principles of Epidemiology 7. Research Methodology and Biostatistics 8. Immunity , Immunization and Disinfection 9. Public Health Nutrition 	May'25
2 nd Term	Lecture Tutorial Practical	<ol style="list-style-type: none"> 10. Environment and Health 11. Public Health Administration and Management 12. Epidemiology of CD and NCD 13. MCH-FP and Demography 14. School Health Service 15. Occupational Health 	September'25
	Revision classes + Preparatory leave		
	3 rd Professional MBBS Examination		

Distribution of teaching - learning hours

Lecture	Tutorial	Practical	Integrated Teaching and Generic Topic	Total	Formative Exam		Summative exam	
					Preparatory leave	Exam time	Preparatory leave	Exam time
110 hrs	155 hrs	COME (community based medical education): 30 days (10 days day visit + 10 days RFST+ 10 days study tour)	18 hrs + 3hrs	265 hrs + 30 days	07 days	12 days	07 days	12 days
(Time for exam. preparatory leave and formative and summative assessment is common for all subjects of the phase)								

3rd Professional Examination : Assessment Systems and mark distribution

Components	Marks	Total Marks
Written Examination		100
MCQ (50% Multiple True and False + 50% Single Base Answer)	20	
SEQ+SAQ (25% Structured Eassy Question+ 75% Short Answer Question)	70	
Formative	10	
Practical Examination		100
Conventional Practical/OSPE	50	
RFST, Survey Report + Study tour report	20+ 10	
Report on day visit	20	
Structured Oral Examination		100
Grand Total		300

Summary of the Community Medicine and Public Health Academic Programme

Time Schedule			
	Topic	Lecture (In Hrs)	Tutorial (In Hrs)
1	Concept of Public Health, CM, Health and Diseases	10	10
2	Behavioral Science	06	10
3	Health Communication & Health Education	04	10
4	Medical Entomology	04	06
5	Biostatistics	04	08
6	Immunity , Immunization and Disinfection	04	08
7	School Health Service	04	04
8	Public Health Administration and Management	03	04
	1st term sub total	39	60
9	Environment and Health	10	12
10	Public Health Nutrition	08	08
11	Principles of Epidemiology	10	16
12	Epidemiology of CD and NCD	25	36
13	MCH-FP and Demography	09	16
14	Occupational Health	04	06
15	HFA. Primary Health Care and existing National Health Programmes, MDGs	05	06
	2nd term sub total	71	100
	Grand Total	110	160

Book List of Community Medicine

Sl. No	Title	Author's Name	Edition
1	Rashid, Kabir, Hyder's Textbook Of Community Medicine And Public Health	Rahmam ,Mahmudur	5th
2	Text Book Of Preventive And Social Medicine	Park, K	23 RD
3	Preventive And Social Medicine: A Comprehensive Textbook	Mathur, J S	1st
4	Essentials of Biostatistics	Prof. Z. H. Sharif	1/ed
5	Behavioral science	Prof.Md. Hossain	
6	Essentials Of Community Medicine Practical	Mahabalaraju, D K	1st
7	Mahajon's Methods in Biostatistics	Arunbhadon	8th

Card-1

Topic No-1: Concept of Public Health, Community Medicine, Health and Diseases			
Item	Contents	Marks	Signature
a.	<ul style="list-style-type: none"> • Concept of Public Health and Community Medicine • Concept of Health and Disease • Common Health and Social problems • Health Team Concept 		
b.	<ul style="list-style-type: none"> • Changing concepts of Public Health and Health • Natural history of disease • Indicators and Determinants of Health • Prevention and Intervention of Diseases • Characteristics of Ideal Health Care 		
Topic No-2: Health For All (HFA), Primary Health Care (PHC), Universal Health Coverage (UHC) & MDG, SDG			
a.	<ul style="list-style-type: none"> • Definition: HFA and PHC, UHC • Principles and components of PHC • Health related MDG and SDG • Components of ESP • Name and Activities of important existing national health programmes 		
b.	<ul style="list-style-type: none"> • Organizational structure for the delivery of PHC • Goal and indicators of HFA by the year of 2000 AD • Levels of health care service delivery • Concept, purpose and scope, evolution and diseases under IHR-2005 • Important National organizations. • Important International health organizations: WHO, UNICEF, RED CRESCENT, ICCDRB, CARE etc. 		
Topic No-3: Behavioral Science			
a.	<ul style="list-style-type: none"> • Concept of Behavior, Behavioral science, • Psychology, Sociology • Society, Family, Culture 		
b.	<ul style="list-style-type: none"> • Motive and Motivation leadership • Personality and IQ • Perception, cognition, learning, motivation, emotion, attitude 		
Topic No-4: Health Communication & Health Education			

a.	<ul style="list-style-type: none"> • Definition of communication • Classification of communication • Functions of communication • Elements of communication • Barriers of communication • Media and methods of communication 		
b.	<ul style="list-style-type: none"> • Definition of health education • Objectives • Contents • Principles • Approaches • Stages of adoption of a new idea 		
Topic No-5: Medical Entomology			
a.	<ul style="list-style-type: none"> • Classification of Arthropods of medical importance • Lifecycle of mosquito, sand fly • Arthropod-borne diseases. • Principles of Vector/Arthropod control measures • Insecticides 		
Topic No-6: Principles of Epidemiology			
a.	<ul style="list-style-type: none"> • Classification of epidemiological studies • Description of descriptive and analytical studies • Characteristics of experimental studies • Difference between cross-sectional and longitudinal; cohort and case-control studies 		
b.	<ul style="list-style-type: none"> • Steps of investigations of an epidemic Outbreak • Definition, classification, types and uses of screening specificity, sensitivity, validity, reliability • source and reservoir 		
c.	<ul style="list-style-type: none"> • Modes of transmission of diseases • Interruption of modes of disease transmission • Criteria of a susceptible host • Definition and explanation of community diagnosis and community treatment 		
Topic No-7: Research Methodology and Biostatistics			
a.	<ul style="list-style-type: none"> • Definition of research • Importance of research • Types of research design 		

	<ul style="list-style-type: none"> • Development and steps of research protocol • Formulation of research objective- general and specific • Preparation of research questionnaire • Different methods of data collection • Definition and difference of population and sample • Calculation of sample size, types of sampling • Preparation of report writing 		
b.	<ul style="list-style-type: none"> • Introduction to Bio-statistics • Uses of Bio-statistics • Vital statistics • Data and Variable • Methods and Tools of data collection 		
c.	<ul style="list-style-type: none"> • Interpretation of data • Analysis and Presentation of data • Measures of central tendency • Measures of dispersion • Normal distribution curve. • Health economics 		
Topic No-8: Immunity, Immunization, Disinfection			
a.	<ul style="list-style-type: none"> • Immunization • Immunizing agents • Immunization schedule (EPI schedule) • Adverse Events following Immunization 		
b.	<ul style="list-style-type: none"> • Herd immunity • EPI and NID • Cold chain • Left out and drop out • Disinfection 		
Topic No-9: Public Health Nutrition			
a.	<ul style="list-style-type: none"> • Types of foods and its sources • Balanced diet • Protein Energy Malnutrition (PEM) • Important Vitamins and their deficiency diseases. • Deficiency disorder of Important Minerals and trace elements 		

b.	<ul style="list-style-type: none"> • Assessment of nutritional status • Calorie requirements of different groups • Food borne, milk borne diseases and food toxins • Pasteurization • Food adulteration, additives and fortification • Humanization of cow's milk 		

Card-2

Topic No-10: Environment & Health			
Item	Contents	Marks	Signature
a.	<ul style="list-style-type: none"> • Environment and its components • Climate changes and global warming Water <ul style="list-style-type: none"> • Safe and wholesome water • Sources, uses and requirement of water • Water impurities • Principles and methods of purification of water • Water quality standards for drinking water • Water borne diseases 		
b.	Air and ventilation <ul style="list-style-type: none"> • 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 • Ventilation • Climate change and greenhouse effect Housing <ul style="list-style-type: none"> • Criteria of healthful housing • Housing standards • Effects of poor housing 		
c.	Light <ul style="list-style-type: none"> • Criteria of good lighting • Measurements of light • Effect of improper lighting on health Noise <ul style="list-style-type: none"> • Sources and properties of noise • Acceptable noise levels • Effects of noise exposure • Control measures of noise Radiation <ul style="list-style-type: none"> • Sources and types of radiation • Effects of radiation on health • Measures of radiation protection 		
d.	Disposal of solid waste <ul style="list-style-type: none"> • Solid waste and its sources • Methods of disposal and medical biotechnology • Health hazards of solid wastes Excreta disposal		

	<ul style="list-style-type: none"> • Methods of excreta disposal • Sanitation barrier • Diseases borne by human excreta 		
Topic No-11: Public Health Administration & Management			
a.	<ul style="list-style-type: none"> • Definition, Functions, Principles of Management and Administration • Definition, Indication and Process of Planning and Planning Cycle • Health Care Delivery System of Bangladesh 		
b.	<ul style="list-style-type: none"> • 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 		
Topic No-12: Epidemiology of Communicable & Non-Communicable Disease (NCDs)			
a.	<ul style="list-style-type: none"> • Definition and difference between CD and NCD • Epidemiology and Prevention of EPI diseases 		
b.	<ul style="list-style-type: none"> • Diarrhoeal diseases and Enteric fever • Malaria, Kala-azar, Filariasis, Helminthiasis • TB and Leprosy 		
c.	<ul style="list-style-type: none"> • Viral hepatitis, Dengue, ARI, SARS (Covid 19), Bird flu, Rabies, Yellow fever • AST STDs • Emerging and Re-emerging Diseases 		
d.	Epidemiology and Prevention of NCD: <ul style="list-style-type: none"> • Hypertension, IHD • CVD (Stroke) • Rheumatic fever and RHD 		
e.	<ul style="list-style-type: none"> • Cancer • Diabetes • Obesity • Arsenicosis 		
Topic No-13: MCH-FP & Demography			
a.	<ul style="list-style-type: none"> • IMR, MMR • High risk mothers and at risk child • Care of under-5 children, LBW • Antenatal, intranatal and postnatal care, advices and investigations 		

b.	<ul style="list-style-type: none"> • Concept, mention the recommended feeding practices in IYCF • Advantage and contraindication of BF, • Disadvantages of formula feeding, Importance of colostrums • What is Complementary Feeding and its importance Domiciliary and institutional delivery • EMONC: Emergency Obstetric and Neonatal Care 		
c.	Family planning <ul style="list-style-type: none"> • Concept of family planning • Aims and objectives of family planning • Contraceptive methods (OCP, IUCD, permanent methods) 		
d.	<ul style="list-style-type: none"> • MR with use of medication (MRM) and difference with emergency contraceptive pills • PFP 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 		
e.	Demography <ul style="list-style-type: none"> • Definition of demography • Demographic processes • Demographic transition and indices • Population pyramid • Census • Fertility and its influencing factors 		
Topic No-14: School Health Services			
a.	<ul style="list-style-type: none"> • Objectives of school health service • Aspects/components of school health service • Task of school health medical officer • Common Health problems of school children • School health emergencies • School health clinic • Helpful school health environment • Different types of school desk and their importance 		
Topic No-15: Occupational Health			

	<ul style="list-style-type: none"> • Occupational health and its objectives • Occupational environment • Occupational health hazards • Principles of prevention of occupational diseases • Employees' benefits 		

1st Term Lesson Plan

Date	Day	Time	Topic	Teacher
February				
February 2	Sunday			
February 5	Wednesday	11.30-12.30	Orientation	Dr.Parvez Iqbal Sharif
		12.30-1.30		Dr.Fahmida Shammi
		1.30- 2.30		Group A- Lecturer 1 Group B- Lecturer 2
February 9	Sunday	8-9	<ul style="list-style-type: none"> • Classification of Arthropods of medical importance • Lifecycle of mosquito, sand fly • Arthropod-borne diseases. 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Concept of Public Health and Community Medicine • Concept of Health and Disease • Common Health and Social problems • Health Team Concept 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Concept of Behavior, Behavioral science, • Psychology, Sociology • Society, Family, Culture 	Group A- Lecturer 1 Group B- Lecturer 2
February 12	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Changing concepts of Public Health and Health • Natural history of disease • Indicators and Determinants of Health 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Organizational structure for the delivery of PHC • Goal and indicators of HFA by the year of 2000 AD • Levels of health care service delivery • Concept, purpose and scope, evolution and diseases under IHR-2005 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> • Motive and Motivation leadership • Personality and IQ 	Group A- Lecturer 1 Group B- Lecturer 2
February 16	Sunday	8-9	Review	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Prevention and Intervention of Diseases 	Dr.Parvez Iqbal Sharif

			• Characteristics of Ideal Health Care	
		12.30-2.30	<ul style="list-style-type: none"> • Important National organizations. • Important International health organizations: WHO, UNICEF, RED CRESCENT, ICCDRB, CARE etc. 	Group A- Lecturer 1 Group B- Lecturer 2
February 19	Wednesday	11.30-12.30	Item	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> • Perception, cognition, learning, motivation, emotion, attitude 	Group A- Lecturer 1 Group B- Lecturer 2
February 23	Sunday	8-9	Item	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Definition of research • Importance of research • Types of research design • Development and steps of research protocol • Formulation of research objective- general and specific 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Classification of Arthropods of medical importance • Lifecycle of mosquito, sand fly • Arthropod-borne diseases. 	Group A- Lecturer 1 Group B- Lecturer 2
February 26	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Preparation of research questionnaire • Different methods of data collection • Definition and difference of population and sample • Calculation of sample size, types of sampling • Preparation of report writing 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Principles of Vector/Arthropod control measures • Insecticides 	Dr.Fahmida Shammi
		1.30- 2.30	Item	Group A- Lecturer 1 Group B- Lecturer 2
		March		
March 2	Sunday	8-9	Review	Dr.Fahmida Shammi
		11.30-12.30	Integrated Teaching	Dr.Parvez Iqbal Sharif

		12.30-2.30	Integrated Teaching	Group A- Lecturer 1 Group B- Lecturer 2
March 5	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Introduction to Bio-statistics • Uses of Bio-statistics • Vital statistics • Data and Variable • Methods and Tools of data collection 	Dr.Parvez Iqbal Sharif
		12.30-1.30	Item	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> • Definition of communication • Classification of communication • Functions of communication • Elements of communication • Barriers of communication • Media and methods of communication 	Group A- Lecturer 1 Group B- Lecturer 2
March 9	Sunday	8-9	<ul style="list-style-type: none"> • Classification of epidemiological studies • Description of descriptive and analytical studies • Characteristics of experimental studies • Difference between cross-sectional and longitudinal; cohort and case-control studies 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Interpretation of data • Analysis and Presentation of data • Measures of central tendency • Measures of dispersion • Normal distribution curve. 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Definition of health education • Objectives • Contents • Principles • Approaches • Stages of adoption of a new idea 	Group A- Lecturer 1 Group B- Lecturer 2
March 12	Wednesday	11.30-12.30	• Health economics	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review	Dr.Fahmida Shammi
		1.30- 2.30	Item	Group A- Lecturer 1 Group B- Lecturer 2

March 16	Sunday	8-9	Generic Class	Dr.Fahmida Shammi
		11.30-12.30	Item	Dr.Parvez Iqbal Sharif
		12.30-2.30	Review	Group A- Lecturer 1 Group B- Lecturer 2
March 19	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Immunization • Immunizing agents • Immunization schedule (EPI schedule) • Adverse Events following Immunization 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Steps of investigations of an epidemic Outbreak • Definition, classification, types and uses of screening specificity, sensitivity, validity, reliability 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> • Types of foods and its sources • Balanced diet • Protein Energy Malnutrition (PEM) • Important Vitamins and their deficiency diseases. • Deficiency disorder of Important Minerals and trace elements 	Group A- Lecturer 1 Group B- Lecturer 2
March 23	Sunday	8-9	<ul style="list-style-type: none"> • Modes of transmission of diseases • Interruption of modes of disease transmission 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Herd immunity • EPI and NID • Cold chain • Left out and drop out 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Assessment of nutritional status • Calorie requirements of different groups • Food borne, milk borne diseases and food toxins 	Group A- Lecturer 1 Group B- Lecturer 2
March 26	Wednesday		Independence Day	
March 30	Sunday		Eid ul Fitr??	
April				
April 2	Wednesday		Eid ul Fitr??	
April 6	Sunday	8-9	<ul style="list-style-type: none"> • Criteria of a susceptible host • Definition and explanation of community diagnosis and community 	Dr.Fahmida Shammi

			treatment	
		11.30-12.30	• Disinfection	Dr.Parvez Iqbal Sharif
		12.30-2.30	• Pasteurization • Food adulteration, additives and fortification • Humanization of cow's milk	Group A- Lecturer 1 Group B- Lecturer 2
April 9	Wednesday	11.30-12.30	Item	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review	Dr.Fahmida Shammi
		1.30- 2.30	Review	Group A- Lecturer 1 Group B- Lecturer 2
April 13	Sunday	8-9	Item	Dr.Fahmida Shammi
		11.30-12.30	Integrated Teaching	Dr.Parvez Iqbal Sharif
		12.30-2.30	Integrated Teaching	Group A- Lecturer 1 Group B- Lecturer 2
April 16	Wednesday	11.30-12.30	Review Class	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review Class	Dr.Fahmida Shammi
		1.30- 2.30	Item	Group A- Lecturer 1 Group B- Lecturer 2
April 20	Sunday	8-9	Question Bank Solve	Dr.Fahmida Shammi
		11.30-12.30	Question Bank Solve	Dr.Parvez Iqbal Sharif
		12.30-2.30	Question Bank Solve	Group A- Lecturer 1 Group B- Lecturer 2
April 23	Wednesday	11.30-12.30	Integrated Teaching	Dr.Parvez Iqbal Sharif
		12.30-1.30	Integrated Teaching	Dr.Fahmida Shammi
		1.30- 2.30	Integrated Teaching	Group A- Lecturer 1 Group B- Lecturer 2
April 27	Sunday	8-9	Card-1 Final	Dr.Fahmida Shammi
		11.30-12.30	Card-1 Final	Dr.Parvez Iqbal Sharif
		12.30-2.30	Card-1 Final	Group A- Lecturer 1 Group B- Lecturer 2
April 30	Wednesday	11.30-12.30	Review Class	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review Class	Dr.Fahmida Shammi
		1.30- 2.30	Review Class	Group A- Lecturer 1 Group B- Lecturer 2
			May	
May 4	Sunday		1 st Term Exam and Preparatory Leave	

May 7	Wednesday			
May 11	Sunday		Buddha Purnima	

2nd term lesson plan

Date	Day	Time	Topic	Teacher
May				
May 25	Sunday	8-9	<ul style="list-style-type: none"> • Occupational Health and its objectives • Occupational health hazards • Occupational environment 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • IMR, MMR • High risk mothers and at-risk child • Care of under-5 children, LBW • Antenatal, intranatal and postnatal care, advices and investigations 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Environment and its components • Climate changes and global warming 	Group A- Lecturer 1 Group B- Lecturer 2
May 28	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Concept, mention the recommended feeding practices in IYCF • Advantage and contraindication of BF 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Occupational health hazards • Principles of prevention of occupational diseases 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> • Safe and wholesome water • Sources, uses and requirement of water • Water impurities • Principles and methods of purification of water 	Group A- Lecturer 1 Group B- Lecturer 2
June				
June 1	Sunday	8-9	<ul style="list-style-type: none"> • Occupational diseases • Occupational cancers • Employees benefits 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Item 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> • Water quality standards for drinking water • Water borne diseases 	Group A- Lecturer 1 Group B- Lecturer 2
June 4	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Disadvantages of formula feeding • Importance of colostrum 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Review class 	Dr.Fahmida Shammi

		1.30- 2.30	Air and ventilation <ul style="list-style-type: none"> • Composition of air • Air pollutants and their sources • Indicators of air pollution • Effects of air pollution on health 	Group A- Lecturer 1 Group B- Lecturer 2
June 8	Sunday	Eid ul Adha	Holiday	
June 11	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Item 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> • Item 	Dr.Fahmida Shammi
		1.30- 2.30	Air and ventilation <ul style="list-style-type: none"> • Methods of prevention and control of air pollution • Ventilation • Climate change and greenhouse effect Housing <ul style="list-style-type: none"> • Criteria of healthful housing • Housing standards • Effects of poor housing 	Group A- Lecturer 1 Group B- Lecturer 2
June 15	Sunday	8-9	<ul style="list-style-type: none"> • Definition and difference between CD and NCD • Epidemiology and Prevention of EPI diseases 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> • Complementary Feeding • Importance Domiciliary and institutional delivery • EMONC: Emergency Obstetric and Neonatal Care 	Dr.Parvez Iqbal Sharif
		12.30-2.30	Light <ul style="list-style-type: none"> • Criteria of good lighting • Measurements of light • Effect of improper lighting on health Noise <ul style="list-style-type: none"> • Sources and properties of noise • Acceptable noise levels • Effects of noise exposure • Control measures of noise 	Group A- Lecturer 1 Group B- Lecturer 2
June 18	Wednesday	11.30-12.30	<ul style="list-style-type: none"> • Item 	Dr.Parvez Iqbal Sharif
		12.30-1.30	Integrated teaching	Dr.Parvez Iqbal Sharif Dr.Fahmida Shammi
		1.30- 2.30	Integrated teaching	Group A- Lecturer 1 Group B- Lecturer 2
June 22	Sunday	8-9	<ul style="list-style-type: none"> • Diarrhoeal diseases: Enteric fever, Viral-hepatitis, Helminthiasis, Food poisoning 	Dr.Fahmida Shammi
		11.30-12.30	Family planning <ul style="list-style-type: none"> • Concept of family planning • Aims and objectives of family planning 	Dr.Parvez Iqbal Sharif

		12.30-2.30	Radiation <ul style="list-style-type: none"> Sources and types of radiation Effects of radiation on health Measures of radiation protection 	Group A- Lecturer 1 Group B- Lecturer 2
June 25	Wednesday	11.30-12.30	Family planning <ul style="list-style-type: none"> Contraceptive methods (OCP, IUCD, permanent methods) 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> Item 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> Item 	Group A- Lecturer 1 Group B- Lecturer 2
June 29	Sunday	8-9	Epidemiology and prevention of <ul style="list-style-type: none"> Malaria kala azar 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> MR with use of medication (MRM) and difference with emergency contraceptive pills PPFP and post abortion /MR/MRM family planning 	Dr.Parvez Iqbal Sharif
		12.30-2.30	Disposal of solid waste <ul style="list-style-type: none"> Solid waste and its sources Methods of disposal and medical biotechnology 	Group A- Lecturer 1 Group B- Lecturer 2
July				
July 2	Wednesday	11.30-12.30	<ul style="list-style-type: none"> LAM-Lactational Amenorrhea Method Eligible and target couples, safe period CPR,TFR, unmet need discontinuation rate MCH based family planning 	Dr.Parvez Iqbal Sharif
		12.30-1.30	Epidemiology and prevention of <ul style="list-style-type: none"> Filariasis Dengue 	Dr.Fahmida Shammi
		1.30- 2.30	Excreta disposal <ul style="list-style-type: none"> Methods of excreta disposal Sanitation barrier Diseases borne by human excreta 	Group A- Lecturer 1 Group B- Lecturer 2
July 6	Sunday	Ashura	Holiday	
July 9	Wednesday	11.30-12.30	<ul style="list-style-type: none"> Item 	Dr.Parvez Iqbal Sharif

		12.30-1.30	<ul style="list-style-type: none"> Item 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> Disasters: Types, preparedness and Response, Management 	Group A- Lecturer 1 Group B- Lecturer 2
July 13	Sunday	8-9	Epidemiology and prevention of <ul style="list-style-type: none"> Yellow fever Mumps Leprosy 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> Definition of demography Demographic processes Demographic transition and indices 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> Item 	Group A- Lecturer 1 Group B- Lecturer 2
July 16	Wednesday	11.30-12.30	<ul style="list-style-type: none"> Population pyramid Census Fertility GFR,TFR,FRR,NRR Migration 	Dr.Parvez Iqbal Sharif
		12.30-1.30	Epidemiology and prevention of <ul style="list-style-type: none"> HTN IHD, CVD RF 	Dr.Fahmida Shammi
		1.30- 2.30	Item	Group A- Lecturer 1 Group B- Lecturer 2
July 20	Sunday	8-9	Epidemiology and prevention of <ul style="list-style-type: none"> Cancer DM Obesity 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> Review class 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> Definition, Functions, Principles of Management and Administration 	Group A- Lecturer 1 Group B- Lecturer 2
July 23	Wednesday	11.30-12.30	<ul style="list-style-type: none"> Item 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> Review class 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> Definition, Indication and Process of Planning and Planning Cycle 	Group A- Lecturer 1 Group B- Lecturer 2
July 27	Sunday	8-9	<ul style="list-style-type: none"> Question Bank Solve 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> Question Bank Solve 	Dr.Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> Item 	Group A- Lecturer 1 Group B- Lecturer 2
July 30	Wednesday	11.30-12.30	Item	Dr.Parvez Iqbal Sharif

		12.30-1.30	Arsenicosis	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> Health Care Delivery System of Bangladesh 	Group A- Lecturer 1 Group B- Lecturer 2
August				
August 3	Sunday		COME	Dr.Parvez Iqbal Sharif Dr.Fahmida Shammi Group A- Lecturer 1 Group B- Lecturer 2
August 6	Wednesday			
August 10	Sunday			
August 13	Wednesday			
August 17	Sunday			
August 20	Wednesday			
August 24	Sunday	8-9	<ul style="list-style-type: none"> Injuries: Snake bite, Drowning, Minor injuries, poisoning, RTA 	Dr.Fahmida Shammi
		11.30-12.30	<ul style="list-style-type: none"> Objectives of school health services Aspects/components of school health services Healthful school health environment Different types of school desk and their importance 	Dr. Parvez Iqbal Sharif
		12.30-2.30	<ul style="list-style-type: none"> Organizational Structure of Health Care Delivery in Bangladesh including reporting, supervision, and monitoring 	Group A- Lecturer 1 Group B- Lecturer 2
August 27	Wednesday	11.30-12.30	<ul style="list-style-type: none"> School health clinic Common health problems of school children School health emergencies Task of school health medical officer 	Dr.Parvez Iqbal Sharif
		12.30-1.30	<ul style="list-style-type: none"> Geriatric Health Problems 	Dr.Fahmida Shammi
		1.30- 2.30	<ul style="list-style-type: none"> Health Care Referral System in Bangladesh Charter of duties of different health personnel 	Group A- Lecturer 1 Group B- Lecturer 2
August 31	Sunday	8-9	Card final 2	Dr.Fahmida Shammi
		11.30-12.30	Card Final 2	Dr.Parvez Iqbal Sharif

		12.30-2.30	Card Final 2	Group A- Lecturer 1 Group B- Lecturer 2
September				
September 3	Wednesday	11.30-12.30	Review Class	Dr.Parvez Iqbal Sharif
		12.30-1.30	Review Class	Dr.Fahmida Shammi
		1.30- 2.30	Review Class	Group A- Lecturer 1 Group B- Lecturer 2
September 7	Sunday	8-9	Review Class	Dr.Fahmida Shammi
		11.30-12.30	Review Class	Dr.Parvez Iqbal Sharif
		12:30-2:30	Review Class	Group A- Lecturer 1 Group B- Lecturer 2
September 10	Wednesday		Preparatory Leave for 2nd Term Examination	
September 14	Sunday			
September 17	Wednesday			
September 21	Sunday			
September 24	Wednesday			
September 28	Sunday			

CHATTAGRAM INTERNATIONAL MEDICAL COLLEGE

Department of Pathology

Faculty Members:

Name of the teachers	Designation
Prof. Dr. Nasrin Sultana	Professor & Head of the department
Dr. Tahmina Hossain	Assistant professor
Dr. Sarifa Anjuman	Lecturer
Dr. Tofayel Islam	Lecturer

	Term 2A (Card 1B+2A)	Term 2B (Card 2B)	Total teaching hours
Lectures	37 hours	23 hours	60 hours
Tutorials	34 hours	22 hours	56 hours
Practical	17 hours	10 hours	27 hours
Total	78 hours	55 hours	143 hours

Book List (Pathology)

❖ Text Books:

1. Robbins & Cotran Pathologic Basis of Disease (Volume 1 & 2) - 10th edition.
2. Pathology Illustrated (6th edition) – By Robin Reid & Fiona Roberts.
3. de Gruy's Clinical Haematology in Medical Practice (Latest edition):
Haematology
4. Hoffbrand's Essential Haematology (Latest edition)
5. Essentials of Clinical Pathology by S M Kawthalkar
6. Pathology Practical Book by Harsh Mohan

MBBS Class Schedule (Pathology)

Date	Card 1B	
06/02/25 (Thursday)	Lymphoreticular- 1: Causes of lymphadenopathy, Morphological features.	
10/02/25 (Monday)	Lymphoreticular- 2: HL and NHL	Lymphoreticular Slide- HL and NHL
13/02/25 (Thursday)	Introduction to hematology, hematopoiesis, erythropoiesis, Leucopoiesis.	
17/02/25 (Monday)	Blood collection, CBC, red cell indices, Hb%, ESR, Anticoagulant.	Hematopoiesis, erythropoiesis, CBC. Practical- Blood collection, Hb%, ESR.
20/02/25 (Thursday)	PBF, RBC Morphology & variation, bone marrow examination.	
24/02/25 (Monday)	Anemia (Definition, cause, classification); IDA (definition, cause, classification, C/F & Lab diagnosis)	RBC Morphology & variation Slide- CBC, PBF, BM
27/02/25 (Thursday)	Hemolytic Anemia: Thalassemia (definition, cause, classification, C/F & Lab diagnosis), Sickle cell anemia.	
3/03/25 (Monday)	Megaloblastic anemia, Aplastic Anemia, pancytopenia (definition, cause, classification C/F & Lab diagnosis)	Anemia, IDA, Hemolytic Anemia. Slide- IDA, Thalassemia, Megaloblastic anemia.
6/03/25 (Thursday)	WBC: TC, DC, absolute value, Leukocytosis (Neutrophilia, eosinophilia, lymphocytosis, Monocytosis), Leukopenia.	WBC, Leukocytosis, Leukopenia Slide- Neutrophilia, eosinophilia
10/03/25 (Monday)	Acute Leukemia (AML, ALL)	Acute leukemia Slide- ALL, AML
13/03/25 (Thursday)	Chronic Leukemia (CML, CLL), Leukemoid reaction, Sub-leukemic leukemia, aleukemic leukemia, leuko-erythroid blood picture.	Chronic Leukemia Slide- CML, CLL
17/03/25 (Monday)	Platelet: Thrombocytopenia, Thrombocytosis, Thrombosthenia, BT, CT, platelets count.	

17/03/25 (Monday)	Bleeding & Coagulation disorder: Hemophilia, von-Wilbrand disease, ITP.	Bleeding & coagulation disorders Slide & Procedure- Platelet count, BT, CT
17/03/25 (Monday)	Polycythemia, MDS, MPD, IPD (Multiple Myeloma)	
(17/03/24) Monday	Blood group and transfusion: (cross matching, reaction, blood transmissible disease, Rh incompatibility, blood transfusion products)	Blood Group and Transfusion Procedure- Blood grouping & Rh typing
20/03/25(Monday)	Card Final 1B	

Date	Card 2A	
08/05/25 (Thursday)	Blood vessels: Vasculitis, tumors and atherosclerosis, lipid profile	Item: Blood vessels
12/05/25 (Monday)	CVS-1: Ischemic heart disease and Hypertensive heart disease, cardiac enzymes.	
15/05/25 (Thursday)	CVS- 2: Rheumatic heart disease, Infective endocarditis.	
19/05/25 (Monday)	CVS-3: Myocarditis, Pericarditis, Cardiomyopathy and Others.	Item: CVS Practical: Hemangioma
22/05/25 (Thursday)	Respiratory system 1: Congenital anomalies, Inflammatory disease.	
26/05/25 (Monday)	Respiratory system 2: Abscess, Pneumonia.	
29/05/25 (Thursday)	Respiratory system 3: TB ,Obstructive airway diseases	Item: Respiratory system 1+2 Practical: Tubercular granuloma
02/06/25 (Monday)	Respiratory system 4: Restrictive airway diseases, Pleural effusion.	
05/06/25 (Thursday)	Respiratory system 5: Lung tumors with Lab diagnosis	Item: Respiratory system 3+4+5 Practical: Tubercular granuloma
09/06/25	GIT 1: Oral cavity	

(Monday)		
09/06/25 (Monday)	GIT 2: Salivary gland, Esophagus	
12/06/25 (Thursday)	GIT 3: Polyps of GIT	Item: GIT 1+2+3 Practical: Polyp, Adenoma.
12/06/25 (Thursday)	GIT 4: Gastric carcinoma	
16/06/25 (Monday)	GIT 5: Peptic ulcer disease	
16/06/25 (Monday)	GIT 6: Small intestine	
19/06/25 (Thursday)	GIT 7: Large intestine	Item: GIT 4+5+6+7 Practical: Adenocarcinoma.
23/06/25 (Monday)	Hepatobiliary 1: Acute and chronic hepatitis	
23/06/25 (Monday)	Hepatobiliary 2: Liver function test	
26/06/25 (Thursday)	Hepatobiliary 3: Liver Cirrhosis, portal hypertension	Item- HBS 1+2+3 Practical: Liver cirrhosis
26/06/25 (Thursday)	Hepatobiliary 4: Hepatic failure	
30/06/25 (Monday)	Hepatobiliary 5: hepatobiliary tumors	
30/06/25 (Monday)	Hepatobiliary 6: Gall bladder	Item: HBS 4+5+6 Slide: Chronic cholecystitis
03/07/25(Thursday)	Card Final 2A	

Date	CARD 2B	
07/07/25 (Monday)	Urinary system 1: Renal function test	
07/07/25 (Monday)	Urinary system 2 : Clinical features of renal disease.	
10/07/25 (Thursday)	Urinary system 3 : Glomerular disease, Tubular disease	Item: Urinary system 1+2+3 Practical: Heat coagulation test, Benedict test
10/07/25 (Thursday)	Urinary system 4: Congenital disease, Renal tumours	
14/07/25 (Monday)	Urinary system 5: Diseases of urinary bladder	Item: Urinary system 4+5 Slide: Renal cell carcinoma
17/07/25 (Thursday)	MGS 1: Testis,	
17/07/25 (Thursday)	MGS 2: Semen analysis	
21/07/25 (Monday)	MGS 3: Prostate	Item : MGS Slide: BPH, Adenocarcinoma of prostate, Seminoma
24/07/25 (Thursday)	FGS 1: Cervix	
24/07/25 (Thursday)	FGS 2: Uterus	Item: FGS 1+2 Slide: SCC, Teratoma
28/07/25 (Monday)	FGS 3: Ovary	
28/07/25 (Monday)	FGS 4: Placenta	Item: FGS 3+4 Slide: Dysgerminoma, H. mole, Choriocarcinoma.
04/08/25 (Monday)	Breast 1: Inflammatory and fibro-cystic disease	
07/08/25 (Thursday)	Breast 2: Benign and malignant tumors	Item: Breast Slide: Fibroadenoma, Duct cell carcinoma
11/08/25	Endocrine 1: Thyroid diseases, Thyroid FT	

(Monday)		
11/08/25 (Monday)	Endocrine 2: Different types of thyroid tumors,	Item: Endocrine 1+2 Slide: Multi-nodular goiter
14/08/25 (Thursday)	Endocrine 3: Pancreas, Diabetes mellitus	
14/08/25 (Thursday)	Endocrine 4: Estimation of blood sugar, OGTT	Item: Endocrine 3+4 Slide: Papillary carcinoma of thyroid
18/08/25 (Monday)	Skin: Acute & chronic dermatoses, blistering disease, tumors	Item : Skin Slide: SCC, BCC, MM
21/08/25 (Wednesday)	Nervous system: CNS & PNS , CSF study	Item: CNS & PNS
21/08/25 (Wednesday)	Bone and soft tissue tumour, Osteomyelitis	
21/08/25 (Wednesday)	Eye & ENT: Tumours, sinusitis, otitis media	Item: Eye, ENT, Bone and soft tissue tumor, osteomyelitis. Slide: Leiomyoma, Osteomyelitis, Osteosarcoma
21/08/25 (Wednesday)	Specimen & Morphology	
25/08/25 (Monday)	Card Final 2B	

DEPARTMENT OF PATHOLOGY

STUDENT PROFILE:

Name of the student:		PHOTO
Class Roll No.:	Batch:	
Name of the Guardian:		
Contact No. :		

No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
Card 1B: Hematology & Lymph node					
01	Introduction and Terminology: Haematological sample collection, Preservation and processing. Constituents of blood and bone marrow, erythropoiesis, Types of Hb and RBC indices, PBF. CBC	10			
02	RBC disorder: Anaemia, Classification-etiological and morphological, etiopathogenesis and laboratory diagnosis of Iron deficiency anaemia and Megaloblastic anaemia.	10			
03	Haemolytic anaemias: Classification: Extra corpuscular and intra corpuscular haemolysis, etiopathogenesis and laboratory diagnosis of Thalassemia, Sick cell anaemia.	10			
04	Pancytopenia, Aplastic anaemia- etiopathogenesis and laboratory diagnosis.	10			
05	Reactive WBC proliferations- Neutrophil leucocytosis, Leukopenia, Neutrophilia, Eosinophilia, Lymphocytosis	10			
06	Leukaemia and related disorders-Leukaemia, Leukomoid reaction, Subleukaemic leukaemia and Myelodysplastic syndrome	10			
07	Lymphoproliferative disorders: Lymphadenitis, Lymphoma- types, morphology of Hodgkin lymphoma and NonHodgkin lymphoma, Multiple myeloma.	10			
08	Myeloproliferative disorders: Polycythemia, Myelofibrosis	10			
09	Haemorrhagic disorders: Classification, aetiopathogenesis & laboratory diagnosis of ITP, Haemophilia and DIC; Screening tests (BT, CT, APTT, Tourniquet test)	10			
10	Blood grouping-Types, Blood products, Screening tests, Hazards of blood transfusion	10			

No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
Card 2A: SYSTEMIC PATHOLOGY					
01.	Blood vessels: Atherosclerosis, vasculitis and tumors, Lipid profile.	10			
02.	Ischemic heart diseases, hypertensive heart diseases and cardiac enzymes	10			
03.	Congenital heart diseases, Rheumatic fever, Infective endocarditis, (Myocarditis, Pericarditis, Cardiomyopathy - Types and causes)	10			
04.	Respiratory System: Congenital diseases, Inflammatory diseases-TB, Lung abscess, Pneumonia	10			
05.	Respiratory System: COPD - Emphysema Chronic bronchitis, Bronchial asthma, Bronchiectasis, Bronchogenic carcinoma, Sputum examination	10			
06.	Urinary system: Congenital kidney diseases, clinical presentation of renal diseases, Glomerular diseases- AGN, NS.	10			
07.	Urinary system: Tubulo-interstitial diseases. pyelonephritis, Renal calculi and Renal function tests	10			
08.	Urinary system: Renal tumors & urinary bladder diseases- cystitis and urinary bladder tumors	10			
09.	GIT: Oral cavity, salivary gland-inflammation, classification of tumors (pleomorphic adenoma), Esophagus-precursor lesions, risk factors and tumors	10			
10.	Gastritis, Peptic ulcer diseases, gastric carcinoma.	10			
11.	Small and Large intestine: Congenital diseases, inflammatory bowel diseases, Polyps and ulcers of GIT, Tumors. Acute appendicitis and tumour	10			
12.	Hepatobiliary: Acute and Chronic hepatitis -Hepatitis-B & C. viral markers, liver function tests.	10			
13.	Hepatobiliary- Liver Cirrhosis, Portal hypertension, Hepatic failure & tumors.	10			
14.	Gall bladder-Calculi, aetiopathogenesis of cholecystitis, inflammation and tumors. Pancreas- Inflammation and tumors	10			

No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
Card 2B: SYSTEMIC PATHOLOGY					
15	Male Genital System: Testis; Semen analysis & Prostate- NHP, Tumors, PSA	10			
16	Female Genital System: Vaginal diseases- vaginitis, cyst; Cervix-cervicitis, polyps, CIN, Cervical tumors, PAP smear test	10			
17	Female Genital System: Corpus of uterus- DUB, adenomyosis, endometriosis and uterine tumors; placenta; Ovary-cysts and tumors. Pregnancy test	10			
18.	Breast- Inflammatory & fibrocystic diseases, benign & malignant tumors- epidemiology, risk and prognostic factors; Investigation protocols; IHC-ER, PR, HER-2	10			
19.	Endocrine: Thyroid- Hypo and hyperthyroidism; Thyroiditis- Hashimoto's thyroiditis, Graves' disease; Tumors- Types, Papillary carcinoma.	10			
20.	Endocrine- Diabetes mellitus, OGTT,	10			
21.	Eye & ENT: Tumor, sinusitis, Otitis media. CNS: Meningitis, brain abscess, Brain tumors, CSF examination.	10			
22.	Bones: Osteomyelitis, Bone tumors, Osteosarcoma. Joints: Rheumatoid arthritis: Soft tissue: Soft tissue tumors	10			
23	Skin: Common terms, Inflammation, Blistering diseases, Pigmented skin lesions, premalignant & malignant conditions (SCC, BCC and malignant melanoma)	10			
24	Haematopathological and chemical pathology investigations and values	10			

Summary of Performance Record:

	ITEM	CARD	TERM	ATTENDANCE (%)	FA
Total					
Marks					
REMARK					

Batch Teacher

Head of the department



Chattagram International Medical College

Department of Microbiology

Faculty members

Dr. Md. Tipu Sultan	Professor and Head
Dr.Khan Mashreul Alam	Professor
Dr.MohammedSheran	Associate Professor
Dr. Taskin jahan	Assistant Professor
Dr.Kamruzzaman Wahed	Lecturer
Dr.S.M.Mezbaul karim Jewel	Lecturer

Academic Calendar			
Term & duration	Classes	Subjects	Term Examination
1 st Term	Lecture Tutorial Practical	<ul style="list-style-type: none"> General Bacteriology Systemic Bacteriology Immunology 	May, 2025
2 nd Term	Lecture Tutorial Practical	<ul style="list-style-type: none"> Parasitology Virology Mycology Clinical Microbiology Molecular biology 	September, 2025
	Revision classes + Preparatory leave		
	3 rd professional MBBS Examination		

Consolidated teaching hours for Microbiology

Subject	Theoretical		Practical	Total
	Lecture	Tutorial		
General Bacteriology	13	07	15	35
Systemic Bacteriology	20	15	15	50
Immunology	16	04	01	21
Parasitology	17	08	06	31
Virology	14	04	01	19
Mycology	06	02	01	09
Clinical Microbiology + Molecular Biology	14	05	06	25
Total	100	45	45	190

1 st term Allotted time				2 nd term Allotted time			
Subject	Lecture	Tutorial	Practical	Subject	Lecture	Tutorial	Practical
General Bacteriology	13	07	15	Parasitology	17	08	06
Systemic Bacteriology	20	15	15	Virology	14	04	01
Immunology	16	04	01	Mycology	06	02	01
				Clinical Microbiology + Molecular Biology	14	05	06
Grand Total Hours	1st Term 106 hours + 2nd Term 84 hours = 190 hours						
Special note	• General bacteriology Card Final completed in 3 rd year, only review class will be taken in 4 th year						

List of Books			
01	General bacteriology	Main Book Reference book	<ul style="list-style-type: none"> Jawetz Melnick & Adelbergs Medical Microbiology (Lange) 28th Edition. Review of Medical Microbiology and Immunology, 17e-Warren Levinson. Essentials of Medical Microbiology, 4th edition- Apurba sankar shastry Kuby Immunology, 7th Edition-Judy Owen and Jenni Punt
02	Systemic bacteriology		
03	Virology		
04	Immunology		
05	Parasitology	Main Book	<ul style="list-style-type: none"> Parasitology: Protozoology Helminthology (13 ed.)- K. D. Chatterje. Paniker's Textbook of Medical Parasitology 9th edition
06	Practical	Main Book	<ul style="list-style-type: none"> District Laboratory Practice in Tropical Countries, Part 1 and part 2-Monica Cheesbrough
07	Practical	Reference book	<ul style="list-style-type: none"> Mackie & McCartney Practical Medical Microbiology, 14/e- Collee



Chattagram International Medical College

Phase-III 4th year MBBS

Yearly Academic Calendar (Including lesson plan)

Department of Microbiology

Class start from 8/2/2025

1st term

- Class start from :- 8/2/2025
- 1st Card examination : Completed in 3rd year
- 2nd Card examination: Systemic Bacteriology
- 3rd Card examination: Immunology
- 1st Term examination : May 2025

2nd term

- Class start from : 4th week of May 2025
- 4th Card examination: Virology and Mycology
- 5th Card examination: Parasitology
- 6th card examination:-Clinical Microbiology and Molecular Biology
- 2nd Term examination : September 2025
- Preparatory leave for 3rd Professional examination:
- 3rd Professional examination:

Name of the teacher	Day	Time
Prof. Dr. K. M. Alam	Tuesday	11.30-12.30 pm
1st Term:-Card:01-General Bacteriology Review Class		
Date	Topics	
11.02.2025	Introduction of Microbiology: <ul style="list-style-type: none"> Brief historical background Branches of Microbiology Legends in the field of Microbiology Koch's postulate, molecular Koch's postulate, the limitations and new adjuncts. Concept of medical biotechnology in relation to Microbiology Importance and scope of microbiology in medical science. 	
11.02.2025	Bacterial cell: <ul style="list-style-type: none"> Prokaryotic and Eukaryotic cells with examples Different structures of bacterial cell and their functions. Brief description of cell wall of Gram positive and Gram negative bacteria. Spores structure and clinical importance. L-forms, protoplast, spheroplast, Clinical importance of L-form. 	
18.02.2025	Bacterial classification and staining: <ul style="list-style-type: none"> Nomenclature of Bacteria. Classification by staining, morphology, Oxygen requirement, temperature requirement. Staining- Theoretical basis and clinical significance of Gram and Z-N stain, Albert stain, Auramin-Rodamin stain Practical on staining: Gram, Z-N staining and Albert stain 	
18.02.2025	Nutrition and Cultivation of bacteria: <ul style="list-style-type: none"> Nutritional requirement for the growth, Growth curve: phases with clinical significance, Common bacteriological media: classification and uses. 	
18.02.2025	Host-Parasite relationship: <ul style="list-style-type: none"> Terms and Definitions, Parasite and Host attributes, Normal flora, opportunistic pathogens and their clinical importance. 	
18.02.2025	Pathogenesis of bacterial diseases: <ul style="list-style-type: none"> Transmission of bacterial agents, Virulence factors e.g. toxins, enzymes, invasiveness and their role in pathogenesis of diseases with some examples. 	

Name of the teacher	Day	Time
Prof. Dr. K. M. Alam	Tuesday	11.30-12.30 pm
1st Term:-Card:01-General Bacteriology Review Class Contd.		
Date	Topics	
25.02.2025	Sterilization and Disinfection: <ul style="list-style-type: none"> • Definition, classification and applications of sterilization, disinfection and antisepsis • Methods of sterilizations: details of autoclaving, hot air oven and chemical methods. • Sterilization of medical equipment and culture media. • Disinfection of body fluid spillage and equipment. • Preparation of disinfectants and their use. 	
25.02.2025	Antimicrobial agents: <ul style="list-style-type: none"> • Definition of antibiotics, antimicrobial agents, chemotherapeutics, bacteriostatic, bacteriocidal, synergism, antagonism, selective toxicity etc. • Classification of anti-microbial agents • Mechanism of action on bacteria with examples • Drug resistance: origin, mechanism, transmission and prevention • Indication of combination of antibiotics in bacterial infection • Hazards of indiscriminate use of antibiotics • Defining MDR, XDR and PDR bacteria. • Definition and importance of ESBL, MBL, MRSA, VRSA, VRE. • Definition and importance of Biofilm 	

Name of the teacher		Day	Time
Prof. Dr. K. M. Alam		Tuesday	11.30-12.30 pm
Dr.Mohammed Sheran		Saturday	11.30-12.30 pm
Dr.Taskin Jahan			
Term:-01:Card:02-Systemic Bacteriology			
Date	Topics		
04.03.2025	Staphylococci: S. aureus, S. epidermidis, S. saprophyticus, Enterococcus(VRE), MRSA, VRSA.		
11.03.2025	Streptococci : Group A Streptococcus, Streptococcus agalactiae and Streptococcus pneumoniae		
18.03.2025	Neissreia: N. gonorrhoea, N. meningitides		
08.04.2025	Corynebacterium diphtheriae		
25.03.2025	Enterobacteriaceae: Classification: Salmonella, Shigella, Esch. Coli and other Enterobacteriaceae, definition and clinical significance of ESBL, MBL and NDM producing bacteria.		
08.04.2025	Vibrio cholerae, Helicobacter pylori		
15.04.2025	Mycobacterium: M. tuberculosis, Atypical mycobacteria and M. leprae. MDR, XDR TB		
22.04.2025	Anaerobic bacteria: Clostridium: Cl. tetani, Cl. botulinum, Cl. Perfringens and other anaerobic bacteria		
29.04.2025	Bacillus: B. Anthracis, B. Cereus, B. Subtilis..		
29.04.2025	Spirochaetes: Treponema pallidum		
03.05.2025	Important characteristics and diseases produced by: Rickettssia Haemophilus influenzae, Haemophilus ducrey, Mycoplasma, Chlamydia, , Nocardia, Actinomycetes species		
06.05.2025	Additional: <ul style="list-style-type: none">• Streptococcus Group D• Klebsiella, Proteus , Pseudomonas: Ps. aeruginosa , Aeromonas, Plesiomonas,• Campylobacter jejuni• Bacteroides species• Clostridium deficille• Listeria• Barkholderia• G. vaginalis• Probiotics		

Name of the teacher		Day	Time
Dr.Mohammed Sheran		Saturday	11.30-12.30 pm
1st term:-Card: 03-Immunology			
Date	Topics		
08.02.2025	Introduction: <ul style="list-style-type: none"> Brief historical background,Basic concepts of immunity: types and components with examples. 		
08.02.2025	Immune system: <ul style="list-style-type: none"> Organs, cells. Soluble components 		
22.02.2025	Antigens and Immunogens: <ul style="list-style-type: none"> Terms and definitions: antigen, immunogen, hapten, epitope, paratope. Criteria of immunogenicity 		
22.02.2025	Major histocompatibility complex (MHC/ HLA): <ul style="list-style-type: none"> Terms and definitions, types and distribution, clinical and biological significance. 		
01.03.2025	Immunoglobulins and Antibodies: <ul style="list-style-type: none"> Terms and definitions, classification, structure, biological properties and functions. Monoclonal antibodies 		
08.03.2025	Complements: <ul style="list-style-type: none"> Terms and definitions, activation, biological functions and clinical significance, deficiency disorders. 		
15.03.2025	Mechanisms of immune response : <ul style="list-style-type: none"> Antibody and cell mediated immune response.Primary and secondary immune response 		
22.03.2025 & 29.03.2025	Hypersensitivity: <ul style="list-style-type: none"> Terms and definitions, classifications, mechanisms, clinical significance with examples. Atopy, desensitization. Tests for Type-I reaction: Patch test, RAST, serum IgE assay. 		
05.04.2025	Transplantation and Tumour immunity: <ul style="list-style-type: none"> Terms and definitions, types and outline of prevention of graft rejection. Tumour antigens, role in diagnosis and clinical significance. Immunosurveillance 		
12.04.2025	Tolerance and Autoimmunity: <ul style="list-style-type: none"> Definition and classification of tolerance Terms and definitions, basic concepts and mechanism of development of autoimmunity. 		
19.04.2025	Immunodeficiency disorders and immunotherapy: <ul style="list-style-type: none"> Classification with examples 		
19.04.2025	Agents of immunotherapy		
26.04.2025	Immunodiagnostic tests: <ul style="list-style-type: none"> Terms and definitions, types and applications in diagnostic medicine Agglutination, precipitation, ELISA, Western blot test, PCR and RT-PCR. 		

Name of the teacher	Day	Time
Prof. Dr.Md.Tipu Sultan	Saturday	11.30-12.30 pm
Prof.Dr.K.M.Alam	Tuesday	11.30-12.30 pm
2nd term:Card:04 Virology and Mycology		
Date	Topics	
24.05.2025	General virology: <ul style="list-style-type: none"> • Introduction to virology, common viral diseases in Bangladesh. • Basic structure of virus, Outline of viral replication, Classification • Lab diagnosis of viral diseases, Antiviral agents 	
27.05.2025	Herpes viruses <ul style="list-style-type: none"> • Classification, important characteristics, diseases, important clinical features, transmission, pathogenesis, complications, laboratory diagnosis, treatment and prevention. • Latency and reactivation of Herpes viruses. 	
31.05.2025	Orthomyxo and paramyxo viruses <ul style="list-style-type: none"> • Important characteristics, diseases, important clinical features • transmission,pathogenesis, complications, laboratory diagnosis, prevention and management. 	
07.06.2025	Hepatitis viruses: <ul style="list-style-type: none"> • Classification, important characteristics, diseases, transmission, pathogenesis, complications, laboratory diagnosis, prevention and management. 	
03.06.2025	Polio virus <ul style="list-style-type: none"> • Important characteristics, diseases, transmission, pathogenesis, laboratory diagnosis and prevention Merits and demerits of oral and injectable polio vaccine. 	
10.06.2025	Rabies virus: <ul style="list-style-type: none"> • Important characteristics, diseases, transmission, pathogenesis, laboratory diagnosis, prevention and treatment, merits and demerits of different types of vaccines 	
17.06.2025	Rota virus: <ul style="list-style-type: none"> • Diseases, transmission, pathogenesis, laboratory diagnosis, prevention and treatment. 	
14.06.2025	HIV: <ul style="list-style-type: none"> • Classification, important characteristics, diseases (AIDS), transmission, pathogenesis,laboratory diagnosis, prevention and treatment. 	
21.06.2025	Dengue <ul style="list-style-type: none"> • Important characteristics, diseases (DHF, DSS), transmission, pathogenesis, laboratory diagnosis, prevention, and treatment. 	
24.06.2025	Chikungunya: <ul style="list-style-type: none"> • Important characteristics, transmission, epidemiology, pathogenesis, laboratory diagnosis, prevention and treatment 	
28.06.2025	Coronavirus: <ul style="list-style-type: none"> • Important characteristics, epidemiology, transmission, pathogenesis, organs involved, clinical features, laboratory diagnosis, prevention and 	

	treatment of COVID-19 and other Coronaviruses.
01.07.2025	Other Emerging viral diseases Avian flue, SARS, MERS, Nipah, Swine flue, Zika, Ebola etc. <ul style="list-style-type: none"> • Important characteristics of virus, important clinical features, transmission, pathogenesis, laboratory diagnosis and prevention
01.07.2025	Oncogenic virus <ul style="list-style-type: none"> • Definitions, list of onchogenic viruses with their associated tumours
01.07.2025	Latent and chronic viral infections.
2nd term Card:04-Virology and Mycology (Mycology)	
05.07.2025	Introduction: <ul style="list-style-type: none"> • Introduction to Mycology, beneficial and detrimental effects, morphology, classification • Difference between fungus and bacteria • Antifungal agents and antifungal drug resistance
08.07.2025	Superficial and cutaneous mycoses: <ul style="list-style-type: none"> • Aetiological agents and diseases • Transmission and pathogenesis, laboratory diagnosis of Pityriasis <i>versicolor</i>, Dermatophytosis, Candidiasis.
12.07.2025	Subcutaneous <ul style="list-style-type: none"> • Aetiological agents and diseases, • Transmission, pathogenesis, and Laboratory diagnosis • Rhinosporiodiasis and Madura foot
15.07.2025 & 19.07.2025	Systemic mycoses <ul style="list-style-type: none"> • Aetiological agents and diseases • Transmission and pathogenesis, Laboratory diagnosis of Histoplasmosis, Cryptococcal meningitis, candidiasis. • Brief description of pneumocystis jirovecii, fungus ball, mycotoxin • Opportunistic fungal diseases.

Name of the teacher	Day	Time
Dr.Mohammed Sheran	Saturday	11.30-12.30 pm
Dr.Taskin Jahan	Tuesday	11.30-12.30 pm
2nd term:-Card:05- Parasitology		
Date	Topics	
26.07.2025	Introduction <ul style="list-style-type: none"> • Introduction to parasitology, common parasitic diseases of Bangladesh, Terms and definitions • Classifications of parasites according to habitat. • Host: definition, classification with examples. 	
29.07.2025	Entamoeba histolytica: <ul style="list-style-type: none"> • Classification, Geographical distribution, morphology, disease. • Clinical features, pathogenesis, laboratory diagnosis, and treatment. • Extraintestinal amoebiasis. 	
29.07.2025	Giardia intestinalis and Trichomonas vaginalis: <ul style="list-style-type: none"> • Morphology, transmission, disease, clinical features, pathogenesis, laboratory diagnosis and treatment. 	
05.08.2025	Blood and Tissue Protozoa: <ul style="list-style-type: none"> • 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). 	
02.08.2025	Plasmodium species: Epidemiology, morphology, lifecycle, disease, clinical features, pathogenesis, complications, laboratory diagnosis, treatment and prevention.	
12.08.2025	Cestodes and Trematodes: <ul style="list-style-type: none"> • 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. 	
16.08.2025	Echinococcus granulosus: <ul style="list-style-type: none"> • Morphology, lifecycle, disease, clinical features, pathogenesis, laboratory diagnosis and treatment. 	
09.08.2025	Intestinal Nematodes: <ul style="list-style-type: none"> • Geographical distribution, morphology, lifecycle, disease, clinical features, pathogenesis, laboratory diagnosis of Ascaris lumbricoides, 	
19.08.2025	Hook worm, <i>Trichuris trichiura</i> ,	
26.08.2025	<i>Enterobius vermicularis</i> , <i>Strongyloides stercoralis</i> , Hyperinfection syndrome, larva migrans	
23.08.2025	Tissue nematodes: <ul style="list-style-type: none"> • Classification, morphology and mode of transmission, diseases produced. 	

	<p>Wuchereria bancrofti, Brugia malayi, B. timori</p> <ul style="list-style-type: none"> • 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. <p>Parasites associated with cancer.</p>
30.08.2025	<p>Additional:</p> <p>Important characteristics and disease produced by:</p> <ul style="list-style-type: none"> • Acanthamoeba , Negleria, Balamuthia and Sappinia. • Hymenolepes nana, Diphylobothrium latum, Dipylidium • Schistosoma • Trypanosoma • Loa loa, Onchocercus volvulus • D. medinensis • Fasciolopsis buski, Fasciola hepatica: habitat, disease, clinical features, laboratory diagnosis and treatment. • Anisakis • Cyclospora, Cystoisospora, Sarcocystis • Trichinella

Name of the teacher	Day	Time
Prof.Dr.K.M.Alam	Tuesday	11.30-12.30 pm
Dr.Mohammed Sheran/ Dr.Taskin jahan	Saturday	11.30-12.30 pm
2nd term:-Card:-06- Clinical Microbiology		
Date	Topics	
04.03.2025	<ul style="list-style-type: none"> Collection of samples, transportation, and storage 	
25.03.2025	<ul style="list-style-type: none"> Microbial diseases of Gastrointestinal and Hepatobiliary diseases 	
11.03.2025	<ul style="list-style-type: none"> Microbial diseases of Food poisoning 	
29.04.2025	<ul style="list-style-type: none"> Microbial diseases of Genital system 	
25.03.2025	<ul style="list-style-type: none"> Microbial diseases of Urinary system 	
15.04.2025	<ul style="list-style-type: none"> Microbial diseases of upper and lower Respiratory Tract infections 	
03.05.2025	<ul style="list-style-type: none"> Microbial diseases of CNS infection 	
06.05.2025	<ul style="list-style-type: none"> Hospital Acquired Infections 	
24.05.2025	<ul style="list-style-type: none"> Microbial diseases of Bone and Soft Tissue infection 	
08.04.2025	<ul style="list-style-type: none"> Microbial diseases of Cardiovascular System 	
31.05.2025	<ul style="list-style-type: none"> Microbial diseases of eye, ear, nose and throat 	
14.06.2025	<ul style="list-style-type: none"> Pyrexia of unknown origin (Microbial cause with emphasis on blood culture). 	

Name of the Teachers	Day	Time
<ul style="list-style-type: none"> • Dr.S.M.Mezbaul Karim Jewel • Dr Kamruzzaman Wahed 	Saturday	12.30-02.30 PM
	Tuesday	

Term:-01:Card:02-Systemic Bacteriology	
Date	Topics
04.03.2025	Staphylococci,
11.03.2025	Streptococci, Neisseria, causes of pyogenic meningitis
08.04.2025	Corynebacterium, Bacillus, Anaerobic Bacteria, Clostridia
25.03.2025	Enterobacteriaceae : <ul style="list-style-type: none"> • Escherichia, Salmonella & Shigella. • Vibrio and Pseudomonas
15.04.2025	Examination of sputum & Mycobacterium
29.04.2025	<i>T. pallidum</i> and STDs
Term:-01:Card:03-Immunology	
Date	Topics
08.02.2025	Immunology : Introduction, immune system (cells & organs)
22.02.2025	Antigens, Immunoglobulins
08.03.2025	Mechanism of immune response, complements, cytokines
22.03.2025	Hypersensitivity,
05.04.2025	MHC, transplantation
12.04.2025	Autoimmunity, tumor immunity, Immunodeficiency states
26.04.2025	Common serological tests : Agglutination, precipitation, CFT, ELISA, ICT

Name of the Teachers		Day	Time
<ul style="list-style-type: none">• Dr.S.M.Mezbaul Karim Jewel• Dr Kamruzzaman Wahed		<ul style="list-style-type: none">• Saturday• Tuesday	12.30-02.30 PM
Term:-02:Tutorial Class			
Card:-04: Virology and Mycology			
Date	Topics		
24.05.2025	Viruses: Introduction, structure,		
24.05.2025	Classification, antiviral drugs, viral vaccine.		
07.06.2025	Hepatitis viruses,		
27.05.2025	Herpes, Rotavirus		
03.06.2025	Polio, Rabies, Influenza, Mumps, Measles, Rubella.		
14.06.2025	HIV, Dengue, Oncogenic viruses		
05.07.2025	Introduction to Mycology, Classification, lab diagnosis of dermatophytosis, candidiasis		
Card:-05: Parasitology			
Date	Topics		
26.07.2025	Introduction to Parasitology, classification		
29.07.2025	<i>E histolytica</i> , <i>G. lamblia</i>		
09.08.2025	Stool examination. Common helminthes : <i>A lumbricoides</i> , <i>A. duodenale</i> , <i>E. vermicularis</i> , <i>T. trichiura</i>		
12.08.2025	Cestodes, trematodes,		
23.08.2025	Tissue nematodes (<i>W. bancrofti</i>)		
05.08.2025	Blood and tissue protozoa (<i>L.donovani</i>)		
02.08.2025	Plasmodium species.		
Card:-06: Clinical Microbiology			
Date	Topics		
11.03.2025	Diarrhea, dysentery, food poisoning		
11.03.2025	Examination of stool		
25.03.2025	Urinary tract infection		
25.03.2025	Examination of urine.		
03.05.2025	Respiratory tract infection & meningitis, examination of CSF		
15.04.2025	Tuberculosis and leprosy		
14.06.2025	Febrile Illness: Enteric fever, septicemia, PUO & blood culture		

Name of the Teachers		Day	Time
<ul style="list-style-type: none">• Dr.S.M.Mezbaul Karim Jewel• Dr Kamruzzaman Wahed		<ul style="list-style-type: none">• Saturday• Tuesday	12.30-02.30 PM
Term:-01:Practical Class			
Date	Topics		
11.02.2025	Gram’s staining		
11.02.2025	Z-N staining		
18.02.2025	Demonstration of culture media namely Nutrient agar, Blood agar, Chocolate agar, MacConkey’s agar, Lowenstein Jensen, Robertson’s cooked meat media, Blood culture media, transport media (Carry-Blair/Stuart/Peptone water) with and without bacterial growth		
04.03.2025	Demonstration of colony morphology of common bacteria: <i>Staphylococci</i> , <i>Streptococcus</i> Lactose fermenters, Lactose nonfermenters, <i>Proteus</i> , <i>Pseudomonas</i>		
11.03.2025	Demonstration of inoculation, incubation (aerobic, CO2 and Anerobic condition) and plate reading.		
25.03.2025	Demonstration of catalase, coagulase, and oxidase, TSI, MIU and Simmon’s citrate tests		
18.02.2025	Demonstration of in vitro antibiotic sensitivity test by disk diffusion method		
25.02.2025	Demonstration of sterilization by chemical agents autoclaving and hot air oven.		
25.02.2025	Demonstration of donning and doffing, wearing PPE, hand washing/sanitizationPreparation of disinfectants.		
Term:-02:Practical Class			
Date	Topics		
29.07.2025	Microscopic examination of stool for demonstration of cyst/trophozoites of protozoa, ova/larva of intestinal helminthes, pus cells, macrophage and RBC		
26.07.2025	Microscopic examination of urine for demonstration of epithelial cells, pus cells, RBC, etc.		
02.08.2025	Examination of blood smear for demonstration of malarial parasites		
05.08.2025	Examination of bone marrow smear for LD body		
11.02.2025	Microscopic examination of Gram stain smear of throat swab, wound swab,urethral discharge		
11.02.2025	Microspic examination of Z-N smear of sputum for AFB		
27.05.2025	Immunological tests: Demonstration and interpretation of Widal, RPR, ICT for HBsAg, Dengue and Plasmodium		
05.07.2025	Microscopic examination of skin scrapping for demonstration of fungal elements (dermatophytes and candida)		
31.05.2025	PCR and RT-PCR		

There will be 2 term

1. Term 1: General Bacteriology, Systemic Bacteriology, Immunology

2. Term 2: Parasitology, Virology, Molecular Biology, Mycology and Clinical Microbiology

Chattagram International Medical College -- Department of Microbiology

ITEM CARD, STUDENT PROFILE

Batch: Roll (Write in the boxes):

Student's Profile:

Name:
 Contact Phone no.....
 Address:.....
 Guardian:
 Contact Phone no.....
 Address:.....

A passport sized recent photograph of the student to be attached

Term-1: GENERAL BACTERIOLOGY, SYSTEMIC BACTERIOLOGY, IMMUNOLOGY

Card 01 GENERAL BACTERIOLOGY:- 10 marks for each Item (First Assessment Exam)						
Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
01.	Prokaryote and eukaryote, components of bacteria, cell wall of Grampositive and Gram negative bacteria, capsule, flagella, spore, classification of bacteria					
02.	Growth and death of bacteria, growth requirements, classification of bacteria according to oxygen requirement, growth curve, generation time					
03.	Pathogenesis of bacterial disease, exotoxin and endotoxin, Koch's postulates, their limitations, new adjuncts, molecular Koch's Postulates. Host defense against bacterial disease					
04.	Sterilization, disinfection, antisepsis, different methods, their principles and uses					
05.	Practical bacteriology: Use of microscope. Gram staining, Ziehl-Neelsen staining. Culture media – types, commonly used media with their use					
06.	Antimicrobial drugs, their mechanism of action, resistance, selective toxicity, antibiotic combination, chemoprophylaxis, susceptibility test Bacterial genetics – plasmid, transposons, mutation, gene transfer, Multidrug resistance (MDR). Extensively drug resistant (DXR) and Pandrug resistant (PDR) bacteria					
07.	Normal flora					
08.	Biosafety and biosecurity, Biomedical waste disposal					
	CARD FINAL 100					

Card 02 SYSTEMIC BACTERIOLOGY :- 10 marks for each Item (First Assessment Exam)						
Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
01.	Staphylococcus					
02.	Streptococcus					
03.	Neisseria, causes of pyogenic meningitis					
04.	Corynebacterium, Bacillus					
05.	Mycobacterium					
06.	Enterobacteriaceae – General properties & classification, Escherichia coli, Shigella					
07.	Salmonella					
08.	Vibrio, Campylobacter					
09.	Pseudomonas, Proteus, Klebsiella					
10.	Haemophilus, Helicobacter, Bordetella, Bacillus					
11.	Anaerobic bacteria, anaerobic culture					
12.	Spirochaetes, sexually transmitted disease					
13.	Rickettsia, Chlamydia, Mycoplasma					
	CARD FINAL 100 marks					

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 03 IMMUNOLOGY:- 10 marks for each Item (First Assessment Exam)						
01.	Immunity, its type, components of innate immunity, comparison between active and passive immunity, immunocompetent cells					
02.	Immunogen, antigen, properties of an ideal antigen, hapten					
03.	Immunoglobulin, antibody, its structure, types, function					
04.	Complements, major histocompatibility complex					
05.	Cytokines, mechanism of immune response, primary and secondary immune response					
06.	Tolerance, hypersensitivity, autoimmune diseases					
07.	Tumour immunity, transplantation, immunodeficiency					
08.	Immunological reactions- basic principles and examples					
	CARD FINAL 100 marks					

TERM: 02 VIROLOGY, MYCOLOGY, PARASITOLOGY, MOLECULAR BIOLOGY AND CLINICAL MICROBIOLOGY

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 04 A- VIROLOGY:- 10 marks for each Item (Second Assessment Exam)						
01.	Basic virology, basic structure of a virus, defective virus, prion, replication, pathogenesis of viral disease, host defense against viral infection, antiviral drugs, general scheme of lab diagnosis of viral diseases, common viral infections in Bangladesh					
02.	Herpesvirus, orthomyxovirus, paramyxovirus, rubella virus					
03.	Hepatitis viruses, oncogenic viruses					
04.	Human immunodeficiency virus					
05.	Polio virus, rabies virus, dengue virus, rotavirus, chikungunya virus, Zika virus					
06.	COVID-19					

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 04 B- MYCOLOGY:- 10 marks for each Item (Second Assessment Exam)						
01.	Basic structure of fungi, classification of fungi, antifungal drugs					
02.	Superficial & cutaneous fungi- Malassezia furfur, dermatophytes, Candida					
03.	Subcutaneous, deep & opportunistic fungi- Madurella, Rhinosporidium, Cryptococcus, Aspergillus.					
	CARD FINAL VIROLOGY and MYCOLOGY (100 marks)					

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 06 b- MOLECULAR BIOLOGY:- 10 marks for each Item (Second Assessment Exam)						
01.	Principle of PCR, RT-PCR, Realtime PCR,					
02.	Definition of DNA Cloning, DNA recombination, Genetic engineering, biotechnology, gene therapy					

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 05-PARASITOLOGY:- 10 marks for each Item (Second Assessment Exam)						
01.	Basic concepts of host, parasites and their types, classification of medically important protozoa					
02.	Entamoeba, free living amoeba, Giardia, Balantidium					
03.	Leishmania, Trichomonas, Trypanosoma					
04.	Plasmodium, Toxoplasma, Babesia					
05.	Basic structure and classification of helminthes Cestode: Taenia, Echinococcus, Diphylobothrium Trematodes: Schistosoma, Fasiolopsis					
06.	Nematodes: Ascaris, Enterobius, Strongyloides, Trichuris					
07.	Nematodes : Hookworm, Filariasis, Oncocerca Volvulus					
	CARD FINAL 100 marks					

Sl No.	Name of the Item	Due Date	Marks Obtained	Pending date	Marks Obtained	Teachers Signature
Card 06 a-CLINICAL MICROBIOLOGY:- 10 marks for each Item (Second Assessment Exam)						
01.	Examination of stool, morphology of common parasites found in stool, diarrhea- causes and diagnosis					
02.	Examination of urine, urinary tract infection- causes and diagnosis					
03.	Examination of CSF, meningitis- causes and diagnosis					
04.	Blood culture, pyrexia of unknown origin					
05.	Examination of sputum, throat swab, pus, wound swab, pleural fluid, ascetic fluid, genital specimen. Causes of pneumonia, sore throat, wound infection, pleural effusion, ascites, vaginal discharge, urethral discharge,					
06.	Basics of Hospital Acquired Infection					
07.	Infection prevention and control, hand washing, donning and doffing, Preparation of disinfectants, Disposal of Medical wastes					
	CARD FINAL:- CLINICAL MICROBIOLOGY+ MOLECULAR BIOLOGY (100 marks)					

Academic calendar at a glance of (3rd phase)

Subject	Card (Term-1)	Card (Term-2)
Community Medicine	Card-1	Card-2
Pathology	Pathology:- Card 1B+2A	Pathology:- Card -2B
Microbiology	Microbiology:- Card-1,2,3	Microbiology:- Card-4,5,6

Term Examination Schedule

1st Term

Preparatory Leave	1 week
Exam (regular and supplementary) + Result	May 2025

2nd Term

Preparatory Leave	1 week
Exam (regular and supplementary) + Result	September 2025

3rd Professional MBBS Examination

Revision classes + Preparatory leave
Exam



Chattogram International Medical College

Class Routine

Phase-III, 4th year MBBS, 2025 (Effective from 5th February, 2024)

Day	08am-09am Lecture	09am-11.00 am	11:30am-12:30pm Lecture	12:30pm-02:30pm Tutorial/Practical	
Saturday		Clinical Ward	Microbiology	Microbiology	
				G-A Room No:	G-B Room No:
Sunday	Community Medicine		Community Medicine	Community Medicine	
				G-A Room No:	G-B Room No:
Monday			Pathology	Pathology	
				G-A Room No:	G-B Room No:
Tuesday			Microbiology	Microbiology/ Integrated teaching	
				G-A Room No:	G-B Room No:
Wednesday			Community Medicine	Community Medicine/ Integrated teaching	
				G-A Room No:	G-B Room No:
Thursday			Pathology	Pathology/ Integrated teaching	
				G-A Room No:	G-B Room No:

CHATTOGRAM INTERNATIONAL MEDICAL COLLEGE
STUDENTS MENTORING PROGRAM (SMP)
TOWARDS EXCELLENT MEDICAL CAREER
Mentor Distribution (3rd Phase, MBBS)

Sl no	Roll	Name of the Students	Mentor	Contact no
1.	1	A.S.M Ishtiaque Ahmed	Dr. Nasrin Sultana Professor and Head Pathology	01815507086
2.	2	Afia Bintey Nizam		
3.	3	Bushra Aziz		
4.	4	Fariana Afroz		
5.	5	Samaha Wafa		
6.	6	Mohammad Irteja Hossain Akif	Dr. Parvez Iqbal Sharif Associate professor and Head Community Medicine and Public Health	01778555566
7.	7	Tasnia Nowshin		
8.	8	Zibran Sami Khan		
9.	9	Naimur Rahman Naim		
10.	10	Samia Washima Hoque		
11.	11	Md. Sohrab Hossen Nisham	Dr. Mohammed Sheran Associate professor Microbiology	01717031806
12.	12	Tanzida Masricka		
13.	13	Sazid Shahjalal		
14.	14	Fabiha Azam		
15.	15	S.M Asif Al Karim		
16.	16	Md. Abdul Maruf Raihan	Lecturer A batch Community Medicine and Public Health	
17.	17	Tasmia Rahman		
18.	18	Syed Mostafa Kamal Siddique Sajeeb		
19.	19	Jannatul Mawa Taspia		
20.	20	Saima Binte Sultana		
21.	21	Zubaydha Bintey Nazim	Dr.Sarifa Anjuman Lecturer A batch Pathology	01988619593
22.	22	Nymul Islam Naeem		
23.	23	Manashi Barua		
24.	24	Afnan Bin Osman		
25.	25	Tahmid Bin Ibrahm		

26.	26	Sunzida Sultana Tazmee	Dr.S.M Mezbaul karim Jewel Lecturer A batch Microbiology	01781717999
27.	27	Israt Jahan Himika		
28.	28	Shahin Akhtar		
29.	29	Fabiha Sameen		
30.	30	Sarah Fariha Noshin		
31.	31	Sahat Bin Elias Sayem	Dr.Fahmida Shammi Assistant Professor Community Medicine and Public Health	01944949292
32.	32	Riyajul Jannah Riya		
33.	33	Mahpara Binte Masud		
34.	34	Injamamul Hoque Toha		
35.	35	Md. Naymur Rashid Mozumder		
36.	36	Sultan Salauddin Chowdhury	Dr. Tahmina Hossain Assistant Professor Pathology	01857533995
37.	38	Rahatul Jannat		
38.	39	Abid Ragib Mahtab		
39.	40	Soaibur Rahman		
40.	41	Fariha Afrin	Dr.Taskin Jahan Assistant Professor Microbiology	01813874097
41.	42	Shariar Kabir Chowdhury		
42.	43	Md. Abrar Faiyaz		
43.	44	Samira Akter Rupa		
44.	45	Taznova Ahmed Rimo		
45.	46	Tasneem Nahar Chowdhury	Lecturer B batch Community Medicine and Public Health	
46.	47	Jannatul Mowa		
47.	48	Jakia Sharmin		
48.	49	Tasmia Jin Nurain		
49.	50	Jannatul Ferdous Easi		
50.	51	Md. Arkanul Islam Chowdhury	Dr.Tofayel islam Lecturer B batch Pathology	01890084468
51.	52	Ala Uddin		
52.	53	Sayed Ayesha Siddika		
53.	54	Nabanna Biswas Gallpo		
54.	55	Intisar Sadab Ruhan		
55.	56	Muhammad Sakir Ullah	Dr. Kamruzzaman Wahed Lecturer B batch Microbiology	01521460042
56.	57	Yeasfy Abedin		
57.	58	Sidratul Moontaha		
58.	59	Mohammad Abdul Ahad Khan		
59.	60	Shefat Sultana Nava		

Academic Discipline

1 .Attendance :

- a) BM&DC and University regulation strictly demands that a student must possess 75% attendance in the class to be allowed for appearing at the Professional Examination, which will be conducted by the university.
- b) Students must have satisfactory behavior and conduct along with 75% attendance to be sent up for university Examination. A certificate from the Head of each & every Dept, to this extent is necessary.
- c) Even if a student fails to have 75% attendance for sickness or hospitalization or any other genuine ground, he/she will not be sent up for University Examination.

2. Student Assessment:

- a) Student assessments are made through periodic class examinations.
 - * Item exam.
 - * Card Final exam
 - * Term exam
- b) Students must pass all terms examinations to be eligible for professional examination.

3. Academic Calendar

Teacher & student should follow academic calendar governed by academic affairs division.

4. Student should follow the dress code strictly

5. Instructions for the guardians:

- All students must abide by the institutional rules
- Dress code is to be strictly maintained
- Students attendance : Minimum 75% class attendance is mandatory for eligibility to seat for institutional and professional examinations.
- College lock out time for the students is 08.00 am
- All the parents & guardians are requested to communicate with the authority from time to time

The End



CHATTAGRAM INTERNATIONAL MEDICAL COLLEGE (CIMC)

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Master Plan