



COURSE GUIDE

PHASE-2 BDS
SESSION 2023-2024
20th BATCH



CHATTAGRAM INTERNATIONAL DENTAL COLLEGE (CIDC)

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Phase-2 Coordinator Message

Dear BDS 20th batch students of Chattagram International Dental College (CIDC),

Heartiest congratulations and best wishes to you all on the successful completion of your previous academic year. Through consistent effort and commitment, you have not only strengthened your academic knowledge but also built a solid foundation of professional discipline and ethical values. Dentistry is a noble and humane profession that demands integrity, compassion and excellence. As you move forward in your academic and professional journey, I encourage you to continuously strive for self- improvement and place patient care and professional ethics at the forefront of your practice. I sincerely wish you to emerge as competent, ethical, and compassionate dental professionals, contributing meaningfully to the healthcare system and society at large.

With my best wishes and blessings for your bright future.



Dr. Fouzia Ahmed Chowdhury
Phase-2 Coordinator
Assistant Professor
Department of Pathology and Microbiology
Chattagram International Dental College.

Basic Information about BDS Course (2016)	
Name of the course: Bachelor of Dental Surgery (BDS)	
Duration: BDS course comprises of 5 Years, followed by logbook based rotatory internship for one year	
Course structure and duration:- The BDS course is divided into four phases	

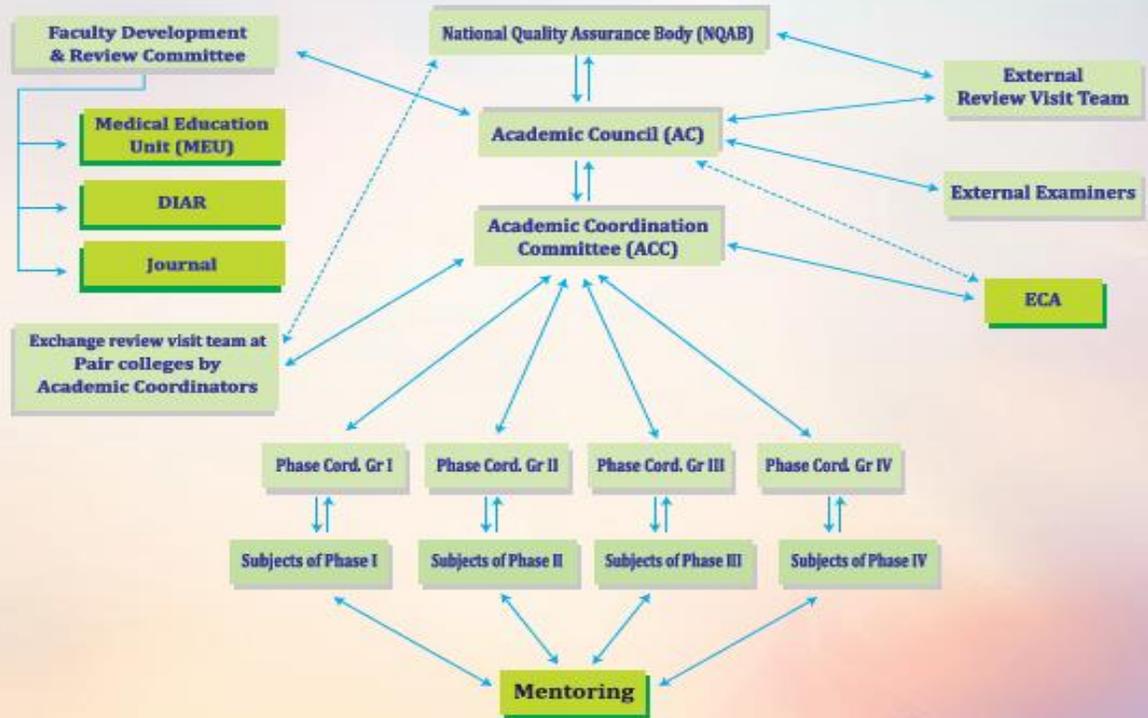
Phase	Duration	Subjects	
1st phase	1½ year	Sub 1: Anatomy & Dental Anatomy	First Professional BDS
		Sub 2: Physiology, Biochemistry & Science of Dental Materials	
2nd phase	1 year	Sub 3: General Pharmacology & Dental Therapeutics	Second Professional BDS
		Sub 4: Pathology & Microbiology	
3rd phase	1 year	Sub 5: Medicine	Third Professional BDS
		Sub 6: Surgery	
		Sub 7: Periodontology & Oral Pathology	
4th phase	1½ year	Sub 8: Oral & Maxillofacial Surgery	Final/4th Professional BDS
		Sub 9: Conservative Dentistry & Endodontics	
		Sub 10: Prosthodontics	
		Sub 11: Orthodontics & Dentofacial Orthopedics	
		Sub 12: Pedodontics & Dental Public Health	

NB: All academic activities including professional examination of each phase must be completed within the specified time of the phase.

Phase wise distribution of teaching-learning hours: 2nd Phase									
Subject	Lecture (in hours)	Tutorial (in hours)	Practical (in hours)	Integrated teaching (in hours)	Formative Exam		Summative exam		Total hours
					Preparatory leave	Exam time	Preparatory leave	Exam time	
General & Dental Pharmacology	100	70	40	10 hrs	10 days	20 days	10 days	25 days	210 hrs
Pathology & Microbiology	116	102	22						240 hrs

Examinations & distribution of marks					
Second Professional Examination					
Subjects	Written Exam marks	Structured Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
General Pharmacology & Dental Therapeutics	90 (45+45)	100 (50+50)	100 (50+50)	10 (05+05)	300
Pathology & Microbiology	90 (45+45)	100 (50+50)	100 (50+50)	10 (05+05)	300
Total					600

FRAMEWORK AND LINE OF COMMUNICATION FOR QAB



**Department of
General Pharmacology and Dental Therapeutics
Faculty members
General Pharmacology**

Name of the Teachers	Designation
Dr. AZM Asheak-E-Elahi	Associate Professor and Head
Dr. Fatiha Tasmin Jeenia	Associate Professor
Dr. Mohammad Nazim Uddin	Lecturer
Dr. Jannatul Nayem Maria	Lecturer

Dental Therapeutics

Name of the Teachers	Designation
Dr. Nazneen Karim	Assistant Professor
Dr. Md. Robin	Lecturer

Academic Calendar of General Pharmacology			
Term & duration	Classes	Subjects	Term Examination
<u>1st Term</u>	<ul style="list-style-type: none"> ▪ Lecture ▪ Tutorial ▪ Practical ▪ Item card completion ▪ Card Final 	<ul style="list-style-type: none"> • General Pharmacology and Autonomic nervous system • Drugs on CVS, Kidney, GIT and Hematinic. 	May,2026
<u>2nd Term</u>	<ul style="list-style-type: none"> ▪ Lecture ▪ Tutorial ▪ Practical ▪ Item card completion ▪ Card Final 	<ul style="list-style-type: none"> • Antibiotics and Chemotherapeutics • CNS, Respiratory, Endocrine and Autacoids 	September,2026
	Revision classes + Preparatory leave		
	2nd Professional BDS Examination- November, 2026		

Consolidated teaching hours for General Pharmacology

	Topics	Lecture	Tutorial and practical	Total
Term 1	General Pharmacology	07	07	14
	ANS	08	08	16
	Cardiovascular and Renal	07	08	15
	GIT and Hematinics	03	04	07
Term 2	Antimicrobial agents	12	12	24
	CNS	05	08	13
	Respiratory	02	02	04
	Endocrine	04	04	08
	Autacoids	02	04	06
	Total	50	57	107

Summary of General Pharmacology Academic Program

	Term 1	Term 2	Total teaching hours
Lectures	25	25	50
Tutorial	18	17	35
Practical	11	11	22
Total	54	53	107

List of books	
01	Basic and Clinical Pharmacology by B. G. Katzung
02	Essentials of Medical Pharmacology by KD Tripathi
03	RANG and DALE'S Pharmacology
04	General principles of Pharmacology by Mir Misbahuddin & M. Rabiul Islam
05	Lippincott Illustrated Review of Pharmacology

General Pharmacology:- Lecture Class Schedule		
Name of the teacher	Day	Time
▪ Dr.AZM Asheak-E-Elahi	Sunday	08.00-09.00 am
▪ Dr. FatihaTasmin Jeenia	Thursday	09.00-10.00 am
1st Term:- Card:1-Basic concept of pharmacology		
Date	Topics	
	<ul style="list-style-type: none"> • Pharmacology, branches of pharmacology, Drug, doses, therapeutic index and sources of drugs 	
	<ul style="list-style-type: none"> • Routes of drug administration, processes and factors modifying drug absorption, and processes and factors modifying drug distribution 	
	<ul style="list-style-type: none"> • Factors modifying biotransformation. And processes and routes of drug elimination. 	
	<ul style="list-style-type: none"> • Mechanism of drug action and dose-response relationship, Drug combination and Drug antagonism. adverse drug reaction 	
	<ul style="list-style-type: none"> • Prescription writing and legal, ethical and economic aspects 	

1st Term:-Card:1-Drugs acting on autonomic nervous system	
Date	Topics
	<ul style="list-style-type: none"> • Neurotransmitter. Neurotransmission, criteria of neurotransmitter and autonomic receptor
	<ul style="list-style-type: none"> • Cholinergic drugs-classification, pharmacokinetic, pharmacodynamic, indication, contraindication and adverse drug reaction. And anticholinergic drugs-classification, pharmacokinetic and pharmacodynamic, indication, contraindication and adverse drug reaction
	<ul style="list-style-type: none"> • Clinically important adrenergic drugs. Clinically important alpha and beta blockers and their indication, contraindication and side effects

1st Term:-Essential drug concept and rational drug use	
Date	Topics
	<ul style="list-style-type: none"> • Essential drug and the criteria of rational use of drugs.
	<ul style="list-style-type: none"> • Guideline of a rational prescription.
	<ul style="list-style-type: none"> • Selection of P-drug.

1st Term:-Card:2-Drugs acting on cardiovascular and renal system	
Date	Topics
	<ul style="list-style-type: none"> • Classification of antihypertensive drugs
	<ul style="list-style-type: none"> • Management of hypertension.
	<ul style="list-style-type: none"> • Anticoagulants and anti-platelets and their mechanism, indication, contraindication and toxicity, name of commonly used diuretics and anti-angina drugs

1st Term:-Card:2-Drugs acting on GIT and Haematinics	
Date	Topics
	<ul style="list-style-type: none"> • Drugs used in Peptic Ulcer; Antiemetics; Anti Diarrhoeal; Antispasmodic; Laxative.
	<ul style="list-style-type: none"> • Haematinics: Iron preparation, Folic acid, Vit-B₁₂
	<ul style="list-style-type: none"> • Vit-K, Vit-C; Minerals (Macro and Micro Minerals)

2nd Term:-Card:3-Antimicrobial Agents	
Date	Topics
	<ul style="list-style-type: none"> • Anti- microbial drugs and their mechanism and resistance
	<ul style="list-style-type: none"> • The general principles of use of anti-microbial drugs
	<ul style="list-style-type: none"> • Classification of penicillin and cephalosporins and their indication, contraindication and toxicity
	<ul style="list-style-type: none"> • Tetracycline and their indication, contraindication and toxicity.
	<ul style="list-style-type: none"> • Macrolides and Quinolones and their indication, contraindication and toxicity.
	<ul style="list-style-type: none"> • The anti-tubercular drugs and toxicity and management of tuberculosis in short.
	<ul style="list-style-type: none"> • Antiamoebic drugs and indication, contraindication and toxicity of metronidazole
	<ul style="list-style-type: none"> • Anthelmintic and antifungal drugs and their toxicity and management of helminthiasis and fungal infection.
	<ul style="list-style-type: none"> • anti-cancer drugs.

2nd Term:-Card:4-Drugs acting on central nervous system	
Date	Topics
	<ul style="list-style-type: none"> • Sedative and Hypnotic and its mechanism, indication, contraindication and toxicity
	<ul style="list-style-type: none"> • Analgesic and their pharmacological effects, indication, contraindication and toxicity.[opioids and NSAIDs]
	<ul style="list-style-type: none"> • General and local anaesthetic and mention their mechanism of action, indication, contraindication and toxicity.

2nd Term:-Card:4-Drugs acting on Respiratory System	
Date	Topics
	<ul style="list-style-type: none"> • Drug used in Bronchial Asthma, M/A of salbutamol, Role of steroids in bronchial asthma.

2nd Term:-Card:4-Endocrine pharmacology	
Date	Topics
	<ul style="list-style-type: none"> • Classification of anti-diabetic drugs and their mechanism, indications, contraindication and toxicity
	<ul style="list-style-type: none"> • Steroids and their mechanism, kinetics, indication, contraindication and toxicity.

Chattagram International Dental Collage-Department of General Pharmacology
GENERAL PHARMACOLOGY:- ITEM CARD, STUDENT PROFILE

Name of the student:				PHOTO
Class Roll No:-	Batch:-	Session:-	Contact no:-	
Name of the Guardian:-				
Address: -			Contact no.	

Term: 1. General Pharmacology & Automatic Nervous System, Drug on CVS, Kidney, GIT & Haematinics

SI No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remarks
Card-1:General Pharmacology & Autonomic Nervous System					
1	Pharmacology and its Branches. Drug and its sources Nomenclature, pharmacopeia	10			
2	Dosage formulation of Drug; Routes of Drug administration	10			
3	Pharmacokinetics: Absorption and Bio-availability of drug	10			
4	Pharmacokinetics: Distribution and Redistribution, Biotransformation and Excretion of Drug, Kinetics of elimination	10			
5	Pharmacodynamics; Receptor-effector coupling Adverse Drug Reaction: D-R curve. Drug interaction; Contraindication of Drug.	10			
6	Autonomic Nervous System: Introduction, Organization, Distribution & Function. Cholinergic Agonists: Direct & indirectly acting.	10			
7	Cholinergic Antagonists: Antimuscarinic & Antinicotinic drugs.	10			
8	Adrenergic Agonists & Adrenergic Antagonists.	10			
9	p' Drugs, Rational use of Drug, Drug resistance, Poly Pharmacy.	10			
10	Use of Drugs in Pregnancy and Lactation	10			
	Card Final	100			
Card -2 : Drugs on CVS, Kidney, GIT & Haematinics					
11	Classification of Anti-hypertensive Drugs, M/A and side effect of different classes, Life style-issue in HTN	10			
12	Anti-anginal drug, Diuretics.	10			
13	Anti-arrhythmic Drugs	10			
14	Anticoagulants, Fibrinolytics, Anti-platelet Drugs.	10			
15	Drugs acting on GIT: Drugs used in Peptic Ulcer: Antiemetics, Anti Diarrhoeal, Antispasmodic, Laxative.	10			
16	Haematinics: Iron Preparation, Folic acid, Vit-B12	10			
17	Vit-K, Vit-C: Minerals (Macro and Micro Minerals)	10			
	Card Final	100			
	First Term Exam	150			

Term: 2. Antibiotic and Chemotherapeutics, CNS, Respiratory, Endocrine and Autacoids.

SI No	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remarks
Card-3: Antibiotics & Chemotherapeutics					
1	Introduction of Antimicrobial Agents: Principles of using antibiotics (mind me): Classification; Spectrums; MIC, PAE, MBC, Combined-chemotherapy: chemo-Prophylaxis: Antibiotic resistance and its causes, prevention.	10			
2	B-Lactams: Penicillins.	10			
3	B-Lactams: Cephalosporins	10			
4	Aminoglycosides & Tetracyclines.	10			
5	Chloramphenicol & Macrolids.	10			
6	Sulphonamides & Trimethoprim: Cotrimoxazole: Quinolones & Fluoroquinolones.	10			
7	Anti-Tubercular Drugs & Anti- Leprotic Drugs.	10			
8	Anti- amoebic, Anti-Fungal drug.	10			
9	Anti-Helminthic Drugs, Anti-Cancer Drugs (Classification & side effects)	10			
	Card Final	100			
Card- 4: CNS, Respiratory: Endocrine; Autacoids					
10	Sedatives & Hypnotics: Classification, Indication and contra-indications of Benzodiazepine and Barbiturate.	10			
11	General Anaesthetics & Preanaesthetic Medications, Skeletal Muscle Relaxants, Local anaesthetics: Mechanism of action and side effects.	10			
12	Opioid Analgesics; M/A action, Indication and adverse effect of morphine.	10			
13	Autacoids: Anti-Histamin: Functions of prostaglandin, Serotonin and Leukotrine	10			
14	NSAIDs: Classification, Indication and Contraindications. Endocrine system, Glucocorticoids and Minerelocorticoids: M/A, uses and side-effects.	10			
15	Anti-Diabetic drugs: Classification& side effects: Diabetics ketoacidosis.	10			
16	Drug used in Bronchial Asthma, M/A of salbutamol, Role of steroids in bronchial asthma.				
	Card Final	100			
	Second Term Exam	150			

Summary of the performance record						
Class Attendance (02)	Class Exam completion (02)	Term Exam (3+3) 1 st term 2 nd term	%	Score	Total	FA (10)

Batch Teacher

Head of the department

Dental Pharmacology

Name of the Teachers	Designation
Dr. Nazneen Karim	Assistant Professor
Dr. Md. Robin	Lecturer

Academic Calendar of Dental Pharmacology			
Term & duration	Classes	Topics	Term Examination
<u>1st Term</u>	<ul style="list-style-type: none"> • Lecture • Tutorial • Practical • Item card completion • Card Final 	<ul style="list-style-type: none"> • Local Anesthetics • Sterilization & Infection Control in Dental Clinic • Root Canal Therapy (R.C.T) • Antiseptic and Disinfectants • Astringents and Gingival displacement products • Mummifying agents • Dental Desensitizing agents and Pharmacological control of Dentine hypersensitivity • Anti-caries agents and Pharmacological control of Dental Caries • Antiplaque agents & Pharmacological control of periodontal disease 	May,2026
<u>2ndTerm</u>	<ul style="list-style-type: none"> • Lecture • Tutorial • Practical • Item card completion • Card Final 	<ul style="list-style-type: none"> • Oral manifestations of systemic agents, oral complications of cancer therapy and anti-neoplastic drugs • Procoagulant, Anticoagulant, Haemostatics and Haemostasis • Vitamins and Minerals • Mouth Wash and Dentifrices • Tooth bleaching Agents • Agents affecting Salivation • Anti-fungal & anti-Viral drug • Geriatric Pharmacology, treatments for Medically compromised patients, pregnant women and common Dental problems • Antibiotic prophylaxis • The Pharmacology of Pain and Anti-nociceptive drugs • Drugs for Medical Emergencies in Dental Practice and Management 	September,2026
	Revision classes + Preparatory leave		
	2nd Professional BDS Examination November,2026		

Consolidated teaching hours for Dental Pharmacology

Term 1		Term 2	
Topics	Class	Topics	Class
Card-01	Lecture =25	Card-02	Lecture =25
	Tutorial= 18 Practical =10 Total=28		Tutorial=17 Practical =08 Total=25

Summary of Dental Pharmacology Academic Program

	Term 1	Term 2	Total teaching hours
Lectures	25	25	50
Tutorial	18	17	35
Practical	10	8	18
Total	52	51	103

List of books	
01	Basic Principles of Dental Pharmacology by Dr. Md. Muminul Haque
02	Pharmacology for Dentistry by Tara V Shanbhag, Smita Shenoy, Veena Nayak (4 th edition)
03	Pharmacology for Dental & Allied Health Sciences by Padmaja Udaykumer (4 th edition)
04	Handbook of Local Anesthesia by S. F. Malamed (Reference book)
05	Essentials of Oral Pathology & Oral Medicine By R. A. Cawson (Reference Book)
06	Textbook of Endodontics by Nisha Garg (Reference Book)
07	Scully's Medical Problem's in Dentistry by Crispian Scully (Reference Book)

Chattagram International Dental College -- Department of Dental Pharmacology

DENTAL PHARMACOLOGY :-ITEM CARD, STUDENT PROFILE

Name of the student:				PHOTO
Class Roll No:-	Batch:-	Session:-	Contact no:-	
Name of the Guardian:-				
Address: -			Contact no.	

Card : 1					
SI No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remarks
1	Local Anesthetics	10			
2	Sterilization & Infection Control in Dental Clinic	10			
3	Root Canal Therapy (R.C.T)	10			
4	Antiseptic and Disinfectants	10			
5	Astringents and Gingival displacement products	10			
6	Mummifying agents	10			
7	Dental Desensitizing agents and Pharmacological control of Dentine hypersensitivity	10			
8	Anti-caries agents and Pharmacological control of Dental Caries	10			
9	Anti-plaque/ Anti gingivitis agents and Pharmacological control of periodontal disease	10			
	Card Final	100			
	First Term Exam	150			
Card : 2					
1	Oral manifestations of systemic agents, oral complications of cancer therapy and anti-neoplastic drugs	10			
2	Procoagulant, Anticoagulant, Haemostatics and Haemostasis	10			
3	Vitamins and Minerals	10			
4	Mouth Wash and Dentifrices	10			
5	Tooth bleaching Agents	10			
6	Agents affecting Salivation, anti-fungal drug, anti-viral drug	10			
7	Geriatric Pharmacology, treatments for Medically compromised patients, pregnant women and common Dental problems, antibiotic prophylaxis	10			
8	The Pharmacology of Pain and Anti-nociceptive drugs	10			
9	Drugs for Medical Emergencies in Dental Practice and Management	10			
	Card Final	100			
	2nd Term Exam	150			

Batch Teacher

Head of the Department

Department of Pathology and Microbiology
(Pathology)

Faculty Members:

Dr. Nasrin Sultana	Professor
Dr. Tahmina Hossain	Assistant Professor
Dr. Sakhika Khanam	Lecturer
Dr. Sayed Hossain	Lecturer

Academic Calendar			
Term & duration	Classes	Subjects	Term Examination
1st Term	Lecture Tutorial Practical Item card completion Card Final	<ul style="list-style-type: none"> ● General Pathology 	May, 2026
2nd Term	Lecture Tutorial Practical Item card completion Card Final	<ul style="list-style-type: none"> ● Hematology ● Clinical and Systemic pathology 	September, 2026
	Revision classes + Preparatory leave		
	2 nd Professional BDS Examination November, 2026		

Consolidated teaching hours for Pathology

	Subject	Lecture	Tutorial	Practical	Total
Term-1	General pathology	31	20	03	54
Term-2	Hematology	16	20	05	41
	Clinical and Systemic Pathology	10	15	03	28
	Total	57	55	11	123

Summary of Pathology Academic Program

	Term 1	Term 2	Total teaching hours
Lectures	31	26	57
Tutorial	20	35	55
Practical	03	08	11
Total	54	69	123

List of Books

1.	General & Systemic Pathology Book- Pathologic Basis of Disease (Vol. 1 & 2) By Robbins & Cotran (10 th Edition)
2.	Haematology Book- De Gruchy's Clinical Haematology in Medical Practice Dacie and Lewis Practical Haematology
3.	Clinical Pathology Book-Essentials of Clinical pathology By Shirish M Kawthalkar
4.	Practical Book- Pathology Practical Book By Harsh Mohan
5.	Reference Book- Pathology Tutorial (Vol. 1 & 2) By Zillur Rahman

1st Term: Card 1A,1B - General Pathology		
Date	Lecture	Tutorial
	Introduction of pathology	Introduction of pathology
	Cellular adaptation 01 Growth disturbance & Adaptive change Hypertrophy, Hyperplasia	_____
	Cellular adaptation 02 Adaptation (Metaplasia, Atrophy, Dysplasia	Cellular adaptation Item 01
	Cell Injury 01; Def, Cause, types, mechanism and Free radical	Cellular Injury Small Group discussion
	Cell Injury 02 Reversible (Cellular swelling, Fatty change)	Cellular Injury Item 01
	Cell Injury 03 Irreversible (Necrosis, Apoptosis)	Cellular Injury Item 02
	Inflammation 01 Inflammation (Def, cause, types)	_____
	Inflammation 02 Acute inflammation (Def, morphological types, acute inflammatory cell, cardinal sign)	Inflammation Item 01
	Inflammation 03: Acute Inflammation (Vascular & cellular event, fate, systemic effect, chemical mediators, complement)	Inflammation Item 02
	Inflammation 04 Chronic Inflammation (Def, cause, types, chronic inflammatory cell, Granulomatous Inflammation)	_____
	Inflammation 05	Inflammation: Chronic Inflammation

	Repair & Healing, Primary and secondary wound healing actors influencing and complications of wound healing	Item 03 Related Practical/OSPE
	Practical/ OSPE/ Scenario Based Discussion	
	Hemodynamic disorder 01 Hemodynamic (Edema-types, aetio-pathology, body fluids, Electrolyte disorders)	Hemodynamic disorder Item 01
	Hemodynamic disorder 02 Mechanism of Cardiac, Renal and Hepatic edema	
	Hemodynamic disorder 03 Thrombosis, Embolism, Infarction	Hemodynamic disorder Item 02
	Hemodynamic disorder 04 Hyperemia, Congestion, Shock & hemorrhage	Hemodynamic disorder Item 03
	Neoplasm 01 (Definition, Classification, Nomenclature)	
	Neoplasm 02: Benign & Malignant, Tumor like conditions	Neoplasia Item 01
	Neoplasm 03 Carcinogenesis, Molecular basis, Tumor immunity	
	Neoplasm 04 Lab Diagnosis	Neoplasia Item 02
	Neoplasm 05 Clinical aspect of neoplasia (Paraneoplastic syndrome, Cancer cachexia, Pancoast Tumor)	
	Neoplasm 06	Neoplasia

	Staging & Grading, Spread of tumor, Carcinoma in Situ, Locally malignant, Invasive, Latent, Dormant	Item 03
	Neoplasms 07 Techniques of histopathology (tissue processing, immuno-histochemistry) and cytopathology	Neoplasia Item 04
	Neoplasia: Practical/ OSPE/ Scenario Based Discussion	
	Genetics 01 Definition, Classification	
	Genetics 02 Characteristics, Karyotype, Lab Dx	Genetics Item 01
	Practical Class/OSPE General pathology practical, Histopathological slide	
	Immunopathology (amyloidosis, hypersensitivity Reaction, auto immune disease, immunodeficiency disorder)	Immunopathology Item
	Infectious disease	Infectious disease: Item
	Nutritional disorders (PEM, Obesity, vitamin deficiency)	Nutritional disorders: Item
	Environmental diseases & hazards, occupational diseases (effect of tobacco, alcohol, radiation, heavy metal)	Environmental diseases & hazards, occupational diseases: Item
	Review Class: Card 1B	

2nd Term:-Card:2A- Haematology		
Date	Lecture	Tutorial
	Introduction- Hematopoietic, Blood collection, CBC, Peripheral blood film, anticoagulant, BM RBC indices, Hb%, ESR estimation	Introduction- Hematopoietic, Blood collection, CBC, Peripheral blood film, anticoagulant, BM
	RBC disorder 01 Anemia (Def, cause, classification), IDA (def, cause, classification C/F & Lab diagnosis)	<u>RBC disorder</u> Anemia (Def, cause, classification)
	RBC disorder 02 IDA (def, cause, classification C/F & Lab diagnosis)	<u>RBC disorder</u> IDA (def, cause, classification C/F & Lab diagnosis.
	RBC disorder 03 Hemolytic Anaemia, Thalassemia (def, cause, classification, C/F & Lab diagnosis)	<u>RBC disorder</u> Hemolytic Anaemia, Thalassemia (def, cause, classification, C/F & Lab diagnosis)
	RBC disorder 04 Megaloblastic anemia, Aplastic Anaemia (def, cause, classification, C/F & Lab diagnosis)	<u>RBC disorder</u> Megaloblastic anemia, (def, cause, classifications, C/F & Lab diagnosis)
	RBC disorder 05: Anemia Review Practical/OSPE/Scenario based discussion	<u>RBC disorder</u> Aplastic Anaemia (def, cause, classification, C/F & Lab diagnosis)
	WBC Disorder 01 TC, DC, absolute value, Leukocytosis (Neutrophilia, eosinophilia, lymphocytosis, Monocytosis), Leukopenia.	RBC related Practical/OSPE

WBC Disorder 02 Leukemia (AML, ALL)	<u>WBC Disorder</u> TC, DC, absolute value, Leukocytosis (Neutrophilia, eosinophilia, lymphocytosis, Monocytosis, Leukopenia.
WBC Disorder 03 Leukemia (CML, CLL)	<u>WBC Disorder</u> Leukemia (AML, ALL) Leukemoid Reaction, Sub leukemic leukemia
WBC Disorder 04 Leukemoid Reaction, Sub leukemic leukemia	<u>WBC Disorder</u> Leukemia (CML, CLL) Pancytopenia, Polycythemia, MDS, MPD, IPD (Multiple Myeloma)
WBC Disorder 05: WBC Disorder Review Practical/OSPE/Scenario Based Discussion	<u>WBC Disorder</u> Leukemoid Reaction, Sub leukemic leukemia
Pancytopenia, Polycythemia, MDS, MPD, IPD (Multiple Myeloma)	Pancytopenia, Polycythemia, MDS, MPD, IPD (Multiple Myeloma)
Platelet Disorder 01 Thrombocytopenia, Thrombocytosis, classification	<u>Platelet Disorder</u> Thrombocytopenia, Thrombocytosis, classification
Bleeding & Coagulation disorder 01 Hemophilia, BT, CT, Platelet count,ITP	<u>Bleeding & Coagulation disorder</u> Haemophilia, BT, CT, Platelet Count
Blood Group and Transfusion	<u>Bleeding & Coagulation disorder</u> <ul style="list-style-type: none"> ● ITP
Bleeding disorder Practical /OSPE/Scenario Based Discussion	WBC & Platelet related practical and OSPE
	Blood Grouping and Blood Transfusion

2nd Term:-Card:2B- Systemic and Clinical Pathology		
Date	Topics	
	Blood vessels 01 Vasculitis, vascular tumors, Atherosclerosis, lipid profile	<u>Blood vessels</u> Vasculitis, vascular tumors, Atherosclerosis, lipid profile
	CVS 01: Cardiac enzymes, Rheumatic heart disease, Myocarditis, pericarditis, cardiomyopathy, Ischemic heart disease	<u>CVS :</u> Cardiac enzymes, Rheumatic heart disease, Myocarditis, pericarditis, cardiomyopathy,
	CVS 03 Rheumatic fever, infective endocarditis	<u>CVS :</u> Rheumatic fever, infective endocarditis Ischemic heart disease
	GIT 01 Oral cavity, salivary gland, esophagus	<u>GIT</u> Oral cavity, salivary gland, esophagus
	GIT 02: Peptic ulcer disease, Polyps of GIT And Gastric carcinoma, Small intestine, large intestine	<u>GIT</u> Peptic ulcer disease, Polyps of GIT and Gastric carcinoma
	Hepatobiliary 01 Acute and chronic hepatitis, liver function test	<u>GIT</u> Small intestine, large intestine
	Hepatobiliary 02 Cirrhosis, portal hypertension, hepatic failure	<u>Hepatobiliary</u> Acute and chronic hepatitis, liver function test
	Practical /OSPE/Scenario Based Discussion	<u>Hepatobiliary</u> Cirrhosis, portal hypertension, hepatic failure
	Renal system 01 Renal function test, clinical presentation of renal disease, congenital disease	<u>Renal system</u> Renal function test, clinical presentation of renal disease, congenital disease, Nephrotic Syndrome & AGN
	Renal system 02	<u>ENDOCRINE</u>

	Nephrotic Syndrome & AGN	Thyroid Function Test, Hypothyroidism & hyperthyroidism, Tumors of thyroid gland
	ENDOCRINE 01: DM, OGTT, Benedict Test, Thyroid Function Test, Hypothyroidism & hyperthyroidism, Tumors of thyroid gland	<u>MGS, FGS</u>
	Practical /OSPE/Scenario Based Discussion	Practical /OSPE/Scenario Based Discussion
	MGS: Semen analysis, FGS	<u>Serum Electrolyte: Acidosis, Alkalosis (Na, K, Ca)</u>
	CNS: CSF study	<u>CNS: CSF study</u>
	Serum Electrolyte: Acidosis, Alkalosis (Na, K, Ca)	<u>Lymph Node: Lymphadenitis, Lymphoma, Lymphadenopathy</u>
		Practical /OSPE/Scenario Based Discussion
		REVIEW

Practical		
General pathology-		
		Slide: Acute Inflammation
		Slide: Chronic Inflammation
		Slide: Benign Tumor (lipoma, Leiomyoma)
		Slide: Malignant Tumor: Squamous cell Ca, BCC
		Slide: Adenocarcinoma, BPH
		Slide: Nodular goiter
		Histopathology & cytopathology Procedure
Hematology		

		ESR, Hb%, Blood Grouping, CBC, BT, CT
		Normal PBF
		Slide: IDA & Thalassemia, megaloblastic anemia
		Slide: ALL, AML
		Slide: CLL, CML
Systemic pathology		
		Urine R/E
		Heat coagulation test
		Benedict test

Chattagram International Dental College -- Department of Pathology & Microbiology

PATHOLOGY:-ITEM CARD, STUDENT PROFILE

Name of the student:				PHOTO
Class Roll No:-	Batch:-	Session:-	Contact no:-	
Name of the Guardian:-				
Address: -			Contact no.	

CARD : 1. GENERAL PATHOLOGY

SI No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
GENERAL PATHOLOGY					
01.	Reversible cell injury	10			
02.	Irreversible cell injury, Pigment and Calcification	10			
03.	Acute inflammation	10			
04.	Chronic inflammation	10			
05.	Repair and Healing	10			
06	Edema & electrolyte disorder, body fluids, acidosis & alkalosis				
07	Hyperemia, congestion, hemorrhage and shock	10			
08	Thrombosis, Embolism and infarction				
	CARD FINAL (1A)	100			
09	Growth disturbance and adaptive change	10			
10	Neoplasia 1 (Benign & Malignant tumors)	10			
11	Neoplasia (2), Carcinogenesis, laboratory diagnosis of tumor	10			
12	Tumor immunity, clinical aspect of neoplasia,	10			
13	Outline of genetics	10			
14	Immunopathology, Infectious disease	10			
15	Nutritional disorders and childhood tumor	10			
16	Introduction to microscope and operating procedure	10			
17	Preservation & transportation of specimen, Tissue processing	10			
18	Techniques in histopathology –gross examination	10			
19	Techniques in Cytopathology – FNAC, Pap smear				
	CARD FINAL (1B)	100			
	FIRST TERM EXAM	150			

CARD: 2. HAEMATOLOGY

SI No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
CARD: 2. HAEMATOLOGY					
01.	Introduction: Hematopoiesis, Constituents of blood and bone marrow, iron metabolism, CBC, RBC indices, PBF, Anticoagulants.	10			
02.	RBC: Anemia, classification, iron deficiency, folic acid and Vitamin B12, deficiency anemia, Aplastic anemia	10			
03.	RBC: Hemolytic anemia Thalassemia,	10			

04.	WBC: TC, DC, absolute value, Leukocytosis (Neutrophilia, eosinophilia, lymphocytosis, Monocytosis), Leukopenia.	10			
05.	WBC: Leukemia, leukemoid reaction. Subleukemic leukemia, LER blood picture.	10			
06.	Platelet: Thrombocytopenia, Thrombocytosis, Bleeding & Coagulation disorder, ITP, Haemophilia, BT, CT, Platelet Count	10			
07.	Pancytopenia, Polycythemia, MDS, MPD, IPD (Multiple Myeloma)	10			
08.	Hematolymphoid -- Practical Hb estimation , ESR	10			
09.	Practical: CBC, DC, TC and, Blood grouping, blood transfusion, BT, CT	10			
	CARD FINAL	100			
CARD: 3. CLINICAL & SYSTEMIC PATHOLOGY					
01	Lipid profile, Blood vessels – tumors and atherosclerosis,	10			
02	CVS- diseases, IHD, MI, Hypertension, cardiac enzymes.	10			
03	Lymph Node-Lymphadenitis, Lymphoma, Lymphadenopathy.	10			
04	Renal function test with indication,Routine examination of Urine, proteinuria, haematuria & pyuria, heat coagulation test, Azotemia, uraemia. Biochemical values of urea and creatinine with their interpretation	10			
05	Urinary system: disease, Nephrotic system, AGN, tumors, ARF,CKD	10			
06	Liver function test with indication, Definition and classification,importance of jaundice, Biochemical values of liver enzymes & bilirubin with their interpretation,	10			
07	Hepatobiliary system: Diseases, hepatitis, cholecystitis,tumor	10			
08	Oral cavity-diseases, Oral cyst & tumor of salivary gland, premalignant conditions in oral cavity, GIT- PUD, Tumor	10			
09	Endocrine: Diabetes mellitus- Definition & classification, diagnosis, OGTT, Complication, importance, Hypoglycaemia & hyperglycaemia, Glycosuria & Benedicts test.	10			
10	Thyroid: diseases, tumor,hyperthyroidism,hypothyroidism	10			
11	Bones and soft tissue—tumor, osteomyelitis	10			
12	CNS-CSF study, meningitis, tumor(meningioma)	10			
13	Name common Disease and tumor of MGS, FGS, Breast, Respiratory system	10			
	CARD FINAL	100			
	SECOND TERM EXAM	150			

Summary of the Performance Record						
Class Attendance(02)	Card Exam completion (02)	Term Exam (3+3)	%	Score	Total	FA (10)
		1 st term				
		2 nd term				

Batch teacher

Head of the department

Department of Pathology and Microbiology

(Microbiology)

Faculty members

Dr. Fouzia Ahmed Chowdhury	Assistant Professor
Dr. Abul kalam Azad	Lecturer
Dr. Mohammad	Lecturer

Academic Calendar			
Term & duration	Classes	Subjects	Term Examination
<u>1st Term</u>	Lecture Tutorial Practical Item card completion Card Final	<ul style="list-style-type: none"> • General Bacteriology • Immunology • Systemic Bacteriology 	May, 2026
<u>2nd Term</u>	Lecture Tutorial Practical Item card completion Card Final	<ul style="list-style-type: none"> • Virology • Mycology • Parasitology 	September, 2026
	Revision classes + Preparatory leave		
	2nd Professional BDS Examination November, 2026		

Consolidated teaching hours for Microbiology

	Subject	Lecture	Tutorial	Practical	Total
Term-1	General Bacteriology	10	30	08	68
	Systemic Bacteriology	20			
	Immunology	08	04	00	12
Term-2	Virology	08	06	00	14
	Mycology	03	02	00	05
	Parasitology	10	05	03	18
	Total	59	47	11	117

Name of the teacher	Day	Time
Dr. Fouzia Ahmed Chowdhury	Saturday	08.00-09.00 am
	Monday	09.00-10.00 am
1st Term:- Card:1A-General Bacteriology		
Date	Topics	
	<ul style="list-style-type: none"> • Classification of micro-organism-bacteria, virus & fungus. 	
	<ul style="list-style-type: none"> • Bacterial anatomy, physiology, growth & death. 	
	<ul style="list-style-type: none"> • Sterilization, different methods of sterilization & importance in dental practice. 	
	<ul style="list-style-type: none"> • Normal flora – pathogenesis and host defense. Virulence factors of bacteria 	
	<ul style="list-style-type: none"> • Pathogenesis of dental caries 	
	<ul style="list-style-type: none"> • Classification of antimicrobial agents and their mode of action and drug resistance. 	
	<ul style="list-style-type: none"> • Culture media with sensitivity & its clinical importance. 	

Name of the teacher	Day	Time
Dr. Fouzia Ahmed Chowdhury	Wednesday	09.00-10.00 am
1st term:-Card: 1C-Immunology		
Date	Topics	
	General concepts of immunology and its applications, immunity – classification & difference	
	Antigen, immunogen, hapten and antibody. Classification of antigen	
	Immunoglobulin – structure, types, functions & Ag-Ab reaction	
	Complement – definition, sources, functions, pathways and their disorder.	
	Major histocompatibility complex (MHC): Definition, distribution & types with their functions.	
	Lymphatic traffic system – Formation & maturation of T & B Cell their differences & functions	
	Hypersensitivity – Definition & classification with mechanism & function.	
	Introduction of Immunodeficiency, Immuno therapy, Autoimmunity, Tumor immunity and transplant.	

Name of the teacher	Day	Time
Dr. Fouzia Ahmed Chowdhury	Saturday	08.00-09.00 am
	Monday	09.00-10.00 am
	Wednesday	09.00-10.00 am
1st Term:-Card:1B-Systemic Bacteriology and Clinical microbiology		
Date	Topics	
	Gram positive cocci - Staphylococcus, Streptococcus, Pneumococci	
	Gram positive bacilli- C. diphtheriae, Clostridium species	
	Gram negative cocci- Neisseria species	
	Gram negative bacilli- Enterobacteriaceae with common diseases they produce.	
	Mycobacteria, actinomyces and their pathogenesis.	
	Urine-R/E, aetiology of UTI and lab diagnosis	
	Stool R/E, aetiology of Diarrhoea and lab diagnosis	
	Lab tech of Gram staining and AFB staining	
	Lab diagnosis of-(1) Sore throat (2) STD (3) PUO (4) Different swab and pus	
Name of the teacher	Day	Time
Dr. Fouzia Ahmed Chowdhury	Saturday	08.00-09.00 am
	Monday	09.00-10.00 am
2nd term: Card: 2A- Virology		
Date	Topics	
	Introductory virology – General concept of virus, classification, structure, difference route of transmission with examples.	
	Hepato-tropic viruses their pathogenesis & lab. Diagnosis	
	Important respiratory virus with their pathogenesis, clinical importance & lab. Diagnosis	
	Enteric viruses – Polio & Rota virus and also herpes family viruses	
	New emerging virus – HIV, Bird flu, Nipa and Corona virus etc.	
2nd term:- Card: 2A- Mycology		
	Introduction and general concept of fungus with clinical importance. Common fungal diseases of oral cavity (oral thrush)	
	Classification according to site of infection with clinical presentation & lab diagnosis.	
	Systemic & opportunistic fungi	

Name of the teacher		Day	Time
Dr. Fouzia Ahmed Chowdhury		Wednesday	09.00-10.00 am
2nd term: Card:2B-Parasitology			
Date	Topics		
	Introduction of parasitology		
	Protozoa (broad classification), life cycle with lab diagnosis of–Ent. Histolytica, G. Intestinalis, Leishmania donovani, malarial parasite		
	Life cycle & lab diagnosis of Nematodes – (a) Intestinal –Ascaris lumbricoides, Ankylostoma duodenale, Trichuris trichiura, Enterobius vermicularis. (b) Tissue Nematodes: Wuchereria bancrofti		
	Cestodes and Trematode–short description		

Tutorial and Practical
Name of the Teachers
<ul style="list-style-type: none"> • Dr. Abul kalam Azad • Dr. Mohammad

Term:-01: Tutorial Class	
Card:-1A:General Bacteriology	
Date	Topics
	<ul style="list-style-type: none"> • Classification of micro-organism-bacteria, virus & fungus.
	<ul style="list-style-type: none"> • Bacterial anatomy, physiology, growth & death.
	<ul style="list-style-type: none"> • Sterilization, different methods of sterilization & importance in dental practice.
	<ul style="list-style-type: none"> • Normal flora – pathogenesis and host defense. Virulence factors of bacteria
	<ul style="list-style-type: none"> • Pathogenesis of dental caries
	<ul style="list-style-type: none"> • Classification of antimicrobial agents and their mode of action and drug resistance.
	<ul style="list-style-type: none"> • Culture media with sensitivity & its clinical importance.
Card:-1C:Immunology	
Date	Topics
	<ul style="list-style-type: none"> • General concepts of immunology and its applications, immunity – classification & difference
	<ul style="list-style-type: none"> • Antigen, immunogen, hapten and antibody. Classification of antigen
	<ul style="list-style-type: none"> • Immunoglobulin – structure, types, functions & Ag-Ab reaction

	<ul style="list-style-type: none"> • Complement – definition, sources, functions, pathways and their disorder.
	<ul style="list-style-type: none"> • Major histocompatibility complex (MHC): Definition, distribution & types with their functions.
	<ul style="list-style-type: none"> • Lymphatic traffic system – Formation & maturation of T & B Cell their differences & functions
	<ul style="list-style-type: none"> • Hypersensitivity – Definition & classification with mechanism & function.
	<ul style="list-style-type: none"> • Introduction of Immunodeficiency, Immunotherapy, Autoimmunity, Tumor immunity and transplant.

Term:-01: Tutorial Class	
Card:-1B: Systemic Bacteriology	
Date	Topics
	<ul style="list-style-type: none"> • Gram positive cocci - Staphylococcus, Streptococcus, Pneumococci
	<ul style="list-style-type: none"> • Gram positive bacilli- C. diphtheriae, Clostridium species
	<ul style="list-style-type: none"> • Gram negative cocci- Neisseria species
	<ul style="list-style-type: none"> • Gram negative bacilli- Enterobacteriaceae with common diseases they produce
	<ul style="list-style-type: none"> • Mycobacteria, actinomyces and their pathogenesis
	<ul style="list-style-type: none"> • Urine-R/E, aetiology of UTI and lab diagnosis
	<ul style="list-style-type: none"> • Stool R/E, aetiology of Diarrhoea and lab diagnosis
	<ul style="list-style-type: none"> • Lab tech of Gram staining and AFB staining
	<ul style="list-style-type: none"> • Lab diagnosis of-(1) Sore throat (2) STD (3) PUO (4) Different swab and pus

Term:-01: Practical Class	
Date	Topics
	<ul style="list-style-type: none"> • Procedure:- Gram's staining and Z-N staining
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Demonstration of colony morphology of common bacteria: <i>Staphylococci</i>, <i>Streptococcus</i> Lactose fermenters, Lactose non-fermenters,
	<ul style="list-style-type: none"> • Demonstration of inoculation, incubation (aerobic, CO2 and Anerobic condition) and plate reading.

	<ul style="list-style-type: none"> • Demonstration of catalase, coagulase, and oxidase, TSI, MIU and Simmon's citrate tests
	<ul style="list-style-type: none"> • Demonstration of in vitro antibiotic sensitivity test by disk diffusion method
	<ul style="list-style-type: none"> • Demonstration of sterilization by chemical agents autoclaving and hot air oven.
	<ul style="list-style-type: none"> • Microscopic examination of Gram stain smear of throat swab, wound swab, urethral discharge
	<ul style="list-style-type: none"> • Microscopic examination of Z-N smear of sputum for AFB

Term:-02: Tutorial Class	
Card:-2A: Virology	
Date	Topics
	Introductory virology – General concept of virus, classification, structure, difference route of transmission with examples.
	Hepato-trophic viruses their pathogenesis & lab. Diagnosis
	Important respiratory virus with their pathogenesis, clinical importance & lab. Diagnosis
	Enteric viruses – Polio & Rota virus and also herpes family viruses
	New emerging virus – HIV, Bird flu, Nipah and Corona virus etc.
Card:-2A:Mycology	
Date	Topics
	Introduction and general concept of fungus with clinical importance. Common fungal diseases of oral cavity (oral thrush)
	Classification according to site of infection with clinical presentation & lab diagnosis.
	Systemic & opportunistic funguses

Term:-02: Tutorial Class	
Card:-2B: Parasitology	
Date	Topics
	Introduction of parasitology
	Protozoa (broad classification), life cycle with lab diagnosis of–Ent. Histolytica, G. Intestinalis, Leishmania donovani, malarial parasite
	Life cycle & lab diagnosis of Nematodes – (a) Intestinal –Ascaris lumbricoides, Ankylostoma duodenale, Trichuris trichiura, Enterobius vermicularis. (b) Tissue Nematodes: Wuchereria bancrofti
	Cestodes and Trematode–short description

Term:-02:Practical Class	
Date	Topics
	Microscopic examination of stool for demonstration of cyst/trophozoites of protozoa, ova/larva of intestinal helminths, pus cells, macrophage and RBC
	Examination of blood smear for demonstration of malarial parasites
	Examination of bone marrow smear for LD body
	Immunological tests: ICT for HBsAg, Dengue and Plasmodium
	Microscopic examination of oral swab for demonstration of fungal elements (Candida)
	Microscopic examination of skin scrapping for demonstration of fungal elements (dermatophytes)

Summary of Microbiology Academic Program

	Term 1	Term 2	Total teaching hours
Lectures	38	21	59
Tutorial	30	12	42
Practical	12	4	16
Total	80	37	117

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

Chattagram International Dental College -- Department of Microbiology

ITEM CARD, STUDENT PROFILE

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

CARD: 1. GENERAL AND SYSTEMIC BACTERIOLOGY WITH IMMUNOLOGY

SI No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
GENERAL BACTERIOLOGY					
01.	Prokaryotic, Eukaryotic Cell, bacterial cell structure, classification of bacteria.	10			
02.	Growth requirement of bacteria, growth curve & generation time	10			
03.	Culture medium, classification with example & uses	10			
04.	Staining- Gram stain, AFB stain & Albert stain, Procedure of Gram & AFB stain	10			
05.	Sterilization, disinfections, antiseptic & incineration	10			
06	Normal Flora, pathogenesis and host defense				
07	Antibacterial drugs-. Mechanism of action & drug resistance	10			
	CARD FINAL	100			
SYSTEMIC BACTERIOLOGY					
08	Gram positive cocci staphylococcus & pneumococcus	10			
09	Gram Positive Cocci Streptococcus, & Viridans streptococci	10			
10	Gram Negative Cocci ... Neisseria species	10			
11	Gram Positive bacilli Aerobic, anaerobic including spore	10			
12	Oral microbiology with clinical importance	10			

13	Gram Negative bacilli ... Enterobacteriaceae – Lactose fermenter & non-lactose fermenter	10			
14	Acid fast bacilli Mycobacteria & lepra bacilli	10			
	CARD FINAL	100			
IMMUNOLOGY					
15.	General Concepts of Immunology and its applications, Immunity- classification & differences	10			
16.	Define – antigen, Immunogen, Hapten and antibody Classification of Antigen	10			
17.	Serological Test- antigen-Antibody reaction	10			
18.	Compliment – definition, sources & different pathways				
19.	Major histocompatibility complex (MHC)- definition, distribution & types with their functions	10			
20.	Lymphatic traffic system – formation & maturation of T & B Cell their differences & functions	10			
21.	Hypersensitivity – definition & classification with mechanism & function	10			
	CARD FINAL	100			
	FIRST TERM EXAM	150			

**CARD: 2. VIROLOGY, MYCOLOGY, PARASITOLOGY AND CLINICAL
MICROBIOLOGY**

Sl No.	Name of the Item	Full Marks	Marks Obtained	Teacher's Signature	Remark
VIROLOGY					
01.	Introductory virology- general concept of virus, classification, structure, Different route of transmission with examples	10			
02.	Hepatotropic viruses their pathogenesis & lab. Diagnosis	10			
03.	Important respiratory virus with their pathogenesis clinical importance & lab. Diagnosis	10			

04.	Enteric virus- Polio, Rota virus, Herpes	10			
05.	New emerging virus- HIV, Birds Flu, Nipa etc.	10			
	CARD FINAL	100			
MYCOLOGY					
06.	General Concept, introduction of Fungus with clinical importance	10			
07.	Classification- According to site of infection with clinical presentation & lab. Diagnosis	10			
08.	Systemic & opportunistic funguses	10			
PARASITOLOGY					
09.	General concept- Introduction, definition of host, parasite, Definitive host, intermediate host, paratenic host, classification of protozoa	10			
10.	Protozoa – E. histolytica, G. lamblia, Leishmania & malarial parasite (Life cycle in short)	10			
11.	Intestinal & tissue nematodes (A.L., A.D., T.T., E.V. & W. Bancrofti their short life cycle)	10			
	CARD FINAL	100			
	SECOND TERM EXAM	150			

Summary of the Performance Record							
Class Attendance (02)	Card Exam completion (02)	Term Exam (3+3)		%	Score	Total	FA (10)
		1st term	2nd term				

Batch
teacher

Head of the
department



Chattagram International Dental College

3rd year BDS, Class Routine

Day	08am-09am	09am-10am	10am-10:30am	10.30 am-12:30pm (Tutorial/Practical)	
Saturday	Microbiology (Lecture)	Pathology (Lecture)	Tiffin Break	Pathology	
				G-A	G-B
Sunday	Dental pharmacology (Lecture)	G. Pharmacology (Lecture)		Microbiology	
				G-A	G-B
Monday	X	Microbiology (Lecture)		G. Pharmacology	
				G-A	G-B
Tuesday	Dental pharmacology (Tutorial)	Pathology (Lecture)		Pathology	
				G-A	G-B
Wednesday	G. Pharmacology (Tutorial)	Microbiology (Lecture)		Microbiology	
				G-A	G-B
Thursday	Pathology (Lecture)	G. Pharmacology (Lecture)	Dental Pharmacology		
			G-A	G-B	

Phase-II Coordinator
(CIDC)

Principal
(CIDC)

Vice Principal
(CIDC)

CHATTAGRAM INTERNATIONAL DENTAL COLLEGE
STUDENTS MENTORING PROGRAM (SMP)
TOWARDS EXCELLENT DENTAL CAREER
Mentor Distribution (2ndPhase, BDS)

Sl no	Roll	Name of the Students	Mentor	Contact no
1	1	Afrin Sultana Khan Nova	Professor Dr. Nasrin Sultana Dept. of Pathology	01815507086
2	2	Mahima Smita Hridi		
3	3	Kamrul Ahsan Hridoy		
4	4	Noheta Tabassum		
5	5	Nahian Haider Arpita		
6	6	Nafisa Mahbub Mona	Dr. Fatiha Tasnim Jeenia Associate professor General Pharmacology	01675380399
7	7	Sadia Salsabil Suraiya		
8	8	Md.Towfiqul Mowla		
9	9	Ishtiyak Md. Tamim		
10	10	Fouzia Fariha Rejvi		
11	11	Zahin Zawadul Hoque	Dr. Tahmina Hossain Assistant professor Pathology	01857533995
12	12	Samira Akter		
13	13	Mohammad Adnan Sazid		
14	14	Tasnim Ferdous Sumaiya		
15	15	Sanjida Yeasmin		
16	16	Anika Zaman	Dr. Nazneen Karim Assistant Professor Dental Pharmacology	01749472723
17	17	Tanay Sushil		
18	18	Bushra Habib		
19	19	Habibul Islam		
20	20	Sharmin Akter Nisha		
21	21	Zafrina Islam	Dr. Sakhika Khanam Lecturer Pathology	01766601326
22	22	Faham Salim		
23	23	Airin Akter Tasmia		
24	24	Moumita Barua Ema		
25	25	Ayesha Faruk Rashmi		
26	26	Kaspia Tabassum Milfa	Dr. Md. Nazim uddin Lecturer General Pharmacology	01644239183
27	27	Wafika Islam		
28	28	Kayez Ibn Noor		
29	29	Samia		
30	30	Jannatul Ferdous		
31	31	Miftahul Jannat Anika	Dr. Jannatul Nayem Maria Lecturer General Pharmacology	01913113048
32	32	Miftahul Jannat Raisa		
33	33	Sidratul Muntaha		
34	34	Sumaiya Akter Soma		
35	35	Sadia Amin Pinky		
36	36	Tushan Mohajan		
37	37	Umma Salma Ema		

Sl no	Roll	Name of the students	Mentor	Contact no
38	38	Nahid Hasan	Dr. Fouzia Ahmed Chowdhury Assistant professor, Microbiology	01629293736
39	39	Faiza Tasnim		
40	40	Sidratul Muntaha		
41	41	Nuraiya Sadi		
42	42	Shehab Ahmed		
43	43	Jarin Tasneem Ahamed	Dr. Md. Robin Lecturer Dental Pharmacology	01832282639
44	44	Taki Muktadir		
45	46	Jannatul Ferdous Batul		
46	47	Asma Humairah		
47	48	Sadia Bintya Kabir		
48	49	Nishat Tarannum		
49	50	Sunjana Rahman Chowdhury	Dr. Sayed Hossain Lecturer Pathology	01878372050
50	51	Afrah		
51	52	Safin Shahjalal		
52	53	Miftahul Jannat Oishy		
53	56	Mahia Rahman Tisha		
54	58	Saima Alam		
55	59	Miftahul Jannat	Dr. Abul Kalam Azad Lecturer Microbiology	01876674727
56	60	Syeda Marfua Habiba		
57	61	Md. Tanvir Alam		
58	4(19 th)	Sajida Arabi		
59	64(18 th)	Somaia Sultana Tamanna		
60	21(18 th)	Muna Dutta		
61	43(18 th)	Biplob Das	Dr. Mohammed Lecturer Microbiology	01984695963
62	7(17 th)	Salma Mustafa Tamim		
63	25(17 th)	Yasmin Arafat Amin		
64	28(17 th)	Kamrunnahar		
65	51(17 th)	Sajada Sultana Emu		

Chattagram International Dental College

Academic Calendar

BDS Phase-2 (January to December 2026)

January

February

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
31					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28						

March

April

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	1	2	3	4	5	6					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28	29	30	

May

June

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
30	31	1st Term Preparatory Leave+Exam				1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30			

July

August

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30	31				

September

October

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
2nd Term Preparatory Leave+Exam			1	2	3	4	31	Preparatory Leave for 2nd Professional Examination				1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			24	25	26	27	28	29	30

November

December

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	1	2	3	4	5	6				1	2	3	4
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30	2nd Professional Examination & Result Publication				26	27	28	29	30	31	

2026: Class Start - 3 January, 17-22 January, Sports & Cultural Week, 4th February- Shab e-Barat, 21th February- International Mother Language Day, 18th March-Laylat al-Qadr, 20th-22th March-id ul-Fitr, 26th March-Independence Day, 14th April- Bengali New Year, 1st May- Labour Day, 22th May-Buddha Purnima, 26th June-28th June-Eid-ul-Adha. 26th June-Ashura, 25th August-Eid-e-Miladunnabi, 21th-23th October-Durga Puja, 16th December- Victory Day, 25th December-Christmas Day.

Legend ● Holiday ● Preparatory Leave & Term Examination ● Professional Examination



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