

Log Book
MD (LABORATORY MEDICINE)
(Residency Program)



Name of the Student:

Session: 2025-2026

Faculty of Basic Science and Para Clinical Sciences
Bangabandhu Sheikh Mujib Medical University
Shahbag, Dhaka-1000.

Department of Laboratory Medicine
5th Floor, OPD-2

Activities

- Academic
- Research
- Routine and special laboratory service for patient care
- Laboratory service for research work

Infrastructure

- Class/Seminar Room
- Library/Student area
- Laboratory area for routine and special work
- Sample collection area
- Sample processing area
- Report delivery area

Management structure**Academic**

- Chairman/course coordinator
- Professor/course supervisor
- Associate Professor/course manager
- Counselor-consult the problems of the students/Assistant professor
- Reporting person for students-Course manager/ Course supervisor
- Daily reporting & attendance record/ Course manager
- Log book check-course supervisor

Faculty Member

- Professor
- Associate professor
- Assistant professor

Consultant and Other Staff

- Consultant
- Medical officer
- Research assistant
- Medical technologist

Office

- Administrative officer
- Office assistant
- Computer operator

Working time: 8:00 AM to 9:00 PM

Course outline

Name of the Course: Doctor of Medicine (MD) Laboratory Medicine

Course contents:

Clinical Pathology, General Pathology and Basic Laboratory techniques of Clinical Haematology and Transfusion Medicine, Clinical Laboratory Management and Molecular Diagnostics, Clinical Biochemistry & Clinical Microbiology, Biostatistics, Research Methodology & Information Technology, Medical Education.

Course duration: Three Years.

Phase A (Year 1 and Year-2) and Phase B (Thesis)

Phase A: (Year 1)

First Twelve Months (Part- I)

Objectives:

1. To become knowledgeable about the contents of Phase A (Part-I)
2. Able to perform basic and special laboratory techniques in relation with contents.
 - Paper I: Clinical Pathology
 - Paper II: General Pathology and Basic Laboratory Techniques
 - Paper III: Clinical Haematology and Transfusion Medicine

Phase-A Year one is divided into three Modules of 4 months duration. Each module consisting the contents from papers mentioned.

Rotation: Pathology (2 weeks), Haematology, Transfusion medicine & Paediatric haematooncology (3 weeks).

Phase A: (Year 2)

Second Twelve Months (Part- II)

Objectives:

1. To become knowledgeable about the contents of Phase A (Part II).
2. Able to perform basic and special laboratory techniques in relation with contents.
 - Paper IV: Clinical Laboratory Management and Molecular diagnostics.
 - Paper V: Clinical Biochemistry
 - Paper VI : Clinical Microbiology

Medical Education, Biostatistics & Research Methodology

Only formative examination and assessment & this part will not be included in any paper.

Phase-A Year two is divided into three Modules of 4 months duration. Each module consisting the contents from papers mentioned.

Rotation: DMC, BIRDEM, ICDDRDB, DU NCM, ANAESTHESIA (total 2 months)

Biochemistry, AFIP (1 month), Microbiology (total 2 months), Virology (1 month).

Phase-B (One year)

Thesis & Thesis defense

Comprehensive viva examination

Objectives:

1. Able to conduct a biomedical laboratory service expert.
2. Become competent to plan and conduct tutorial and lecture classes for under graduate and post graduate students.
3. Able to develop a biomedical scientific research.

Examinations:

1. After completion of each block/module, an item examination/ oral and practical assessment examination will be held in our department.
2. Successful completion of all block/module assessment examinations the student will be eligible for appearing in the part-I final examination consisting with written, oral & practical.
3. On completion of Phase A examinations (all Block/Module must be completed successfully or at least five modules should be completed out of six and the remaining module must be completed before appearing the final phase examination), a candidate will have to enroll in final phase in the consecutive next session of Phase A examination passing session and after completion of 02 (Two) year course in final Phase, the candidate may appear in final Phase examination.

Conditions to appearing the examinations:

1. Successful completion of every module phase A & B is the important condition to appear in Phase final examination.
2. At least 75 percent attendance in lecture, tutorial and practical classes/seminar/slide session required for appearing any examination.
3. Successful completion of all assignment is necessary to appear in examinations.
4. Regular attendance in departmental seminar and slide sessions are mandatory to appearing in examinations.
5. Obtaining the qualifying marks in assessment examinations is one of the important pre-requisite to appear in final examination.

Photo

Student Summary

Student's Name:
Session:
University Reg. No.:
BMDC Reg. No:
Date & Place of Birth:
National ID No:
Telephone/Mobile:
Father's Name:
Mother's Name:
Guardian's Name:
Permanent address:
Present & Mailing address:
E-mail:

Academic Brief:

Degree	Year of Pass	University/Board	Result	Distinction
MBBS				
HSC				
SSC				
Others				

Training & Experiences:

- 1.
- 2.
- 3.

Publications:

- 1.
- 2.
- 3.

Extracurricular activity:

- 1.
- 2.
- 3.

References (Two Persons):

Course Coordinator:

Prof. Dr. Md. Saiful Islam

Professor

Department of Laboratory Medicine

BSMMU

Course supervisor:

Prof. Dr. Debatosh Paul

Professor

Department of Laboratory Medicine

BSMMU

Course Manager:

Dr. Sheuly Ferdoushi

Associate Professor

Department of Laboratory Medicine

BSMMU.

Log Book

Phase- A (Year-1), Paper I: Clinical Pathology

Duration: 16 weeks

Date of commencement: 1st March

Date of completion: Mid of June

Attendance in group teaching:

Attendance in practical session:

Total Marks: Marks obtained (%):

Knowledge:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Different type of Microscope- Use and care of microscope			
02		Sample collection, processing, preservation & transport			
03		Routine examination of urine			
04		Special tests of urine			
05		Routine examination of stool			
06		Special tests of stool			
07		CSF- Examination and interpretation			
08		Body fluids (Pleural, Ascitic, Synovial and others)- Examination and interpretation			
09		Common Staining (Leishman, Giemsa, Gram, ZN, Alberts, Field's staining)			
10		Antigen-Antibody reactions, Class-I			
11		Antigen-Antibody reactions , Class-II			
12		Andrology & Fertility assessment- semen analysis & interpretation			
13		Tumour markers-Technique, example & interpretation			
14		Protozoa- Classification, mode of infection and laboratory diagnosis 1			
15		Protozoa- Classification, mode of infection and laboratory diagnosis -II			
16		Protozoa- Classification, mode of infection and laboratory diagnosis -III			
17		Helminthology- Classification, life cycle and laboratory diagnosis -I			
18		Helminthology- Classification, life cycle and laboratory diagnosis -II			
19		Helminthology- Classification, life cycle and laboratory diagnosis -III			
20		Recent advances in clinical Pathology			

Skill:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Common Haematological techniques like- Hb, TC, DC, ESR, BT, CT & HCT/PCV			
02		Examination of T/S, P/S, U/S, HVS and Liver abscess			
03		Microscopic Examination of Sputum, Skin Scraping, Skin slit smear for Hansen's bacilli			
04		VDRL, ASO, Widal, RA Procedure and interpretation			
05		Examination of CSF, Pleural, Ascitic fluid, synovial fluid			
06		Bright field, dark field, polarizing, phase contrast			
07		Routine and special test of urine			
08		Routine and special test of stool			
09		Sample collection of clinical pathology and processing preparation of staining as their interpretation			
10		Microscopic examination of sputum			
11		Methods of tumour marker estimation			

K: Knowledge, S: Skill

(>80%: Excellent, 70-80%: Good, 60-70%: Average, <60%: Below Average)

Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Phase- A (Year-1), Paper II: General Pathology & Basic Laboratory Technique)

Duration: 16 weeks

Date of commencement: 1st July

Date of completion: 3rd week of September

Attendance in group teaching:

Attendance in practical session:

Total Marks: Marks obtained (%):

Knowledge:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Cell injury (Reversible and irreversible)			
02		Cellular Adaptation			
03		Acute inflammation			
04		Chronic inflammation			
05		Tissue Repair: Cellular growth, fibrosis-I			
06		Tissue Repair: Cellular growth, fibrosis-II			
07		Haemodynamic disorder (Edema, hyperemia, Congestion, hemorrhagic , hemostasis and thrombosis)			
08		Haemodynamic disorders (Embolism, infarction, shock)			
09		Disease of immune systems (Basic)- I			
10		Disease of immune systems (Basic) -II			
11		Disease of immune systems (Basic) –III			
12		Neoplasia - I			
13		Neoplasia - II			
14		Infectious diseases - I			
15		Infectious diseases (tuberculosis) II			
16		Organization & Management of Lab services with safety			
17		Genetic disorder - I			
18		Genetic disorder - II			
19		Hypersensitivity reaction			
20		Autoimmune diseases			
21		Transplant immunology			
22		Host parasite interaction			

Skill:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Fixative, staining of tissue &			

		cytopathology			
02		Cytopathology- type, transport, processing, preparation & staining.			
03		Histopathology- tissue transport, processing, H& E staining.			
04		Special staining for histopathology & cytopathology.			
05		Paps smear			
06		FNAC			
07		Immunohistochemistry (Basic)			
08		Frozen Section			

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Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Phase- A (Year-I), Paper III: Clinical Haematology & Transfusion Medicine)

Duration: 16 weeks

Date of commencement: 1st October

Date of completion: Mid of December

Attendance in group teaching:

Attendance in practical session:

Total Marks: Marks obtained (%):

Knowledge:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Stem cells and haemopoiesis- Erythropoiesis, Granulopoiesis, Lymphopoiesis, Thrombopoiesis and their regulation			
02		Bone marrow- , Normal bone marrow structure, Bone marrow aspiration and failed aspiration, Bone marrow biopsy and trephine biopsy			
03		Define and classification of anaemia - Iron deficiency anaemia,			
04		Normochromic normocytic anaemia and Sideroblastic anaemia			
05		Megaloblastic anaemia			
06		Intracorpuseular haemolytic anaemia			
07		Extracorpuseular haemolytic anaemia			
08		Acute Leukaemia and its diagnosis- Acute myeloblastic leukaemia (AML) and its diagnosis.			
09		Adult Acute Lymphoblastic leukaemia and its diagnosis			
10		Chronic Leukaemia and its diagnosis – CML, CLL			
11		Myelo-proliferative disorder and Myelo-dysplastic syndrome (MDS)			
12		Myeloma and other paraproteinaemias			
13		Bleeding disorders and its diagnosis			
14		Platelets disorder 1. Acquired. 2. Congenital			
15		Modern techniques in haematology			
15		Blood Transfusion			
16		Antigen in human blood (Blood group, cross matching and screening)			
17		Clinical blood transfusion- a. Safe blood transfusion			

		b. The blood donor c. Blood component and blood products. d. Anticoagulants, transfer & storage.			
18		Complication of blood transfusion and Haemolytic diseases of newborn. Massive blood transfusion.			
19		Quality assurance and Recent advances in transfusion medicine			
20		Quality assurance and Quality Control in haematology lab.			

Skills:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Collection, Transport and processing blood sample for different haematological examination			
02		Performance of Hb estimation TC, DC, ESR, BT, CT, PCV, PT & APTT			
03		Quality assurance and Quality Control in haematology lab			
04		Serum Iron, B12, Folic Acid estimation			
05		Osmotic fragility test, flow cytometry, sickling test, coomb's test, Hb electrophoresis			
06		Aspiration of bone marrow and preparation of bone smear and interpretation			
07		ABO and Rh grouping			
08		Preparation of blood components fresh frozen plasma, platelet concentrate, cryoprecipitate			
09		Coomb's test			

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Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Phase- A (Year-II), Paper IV: (Clinical Laboratory Management & Molecular diagnostic)

Duration: 16 weeks

Date of commencement: 1st October

Date of completion: Mid of December

Attendance in group teaching:

Attendance in practical session:

Total Marks: Marks obtained (%):

Sl. No	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Organization of the laboratory and management			
02		Total quality management, Quality assurance and Quality control			
		Lab Accessories			
03		Different kinds of refrigerators , Incubators			
04		Ovens, Water-baths, Auto-dispensers			
05		Distillation plant, Deioniser plant, RO System, Auto pipettes, pH Meter,			
06		Analytical and precision Balance			
		Essential equipment			
07		Centrifuge machines, Photoelectric Colorimeter			
08		Spectrophotometer			
		Modern Equipment			
9		Fully Automated Haematology Auto Analyzer			
10		ELISA Reader, Autoanalyzers, Flame-photometer			
11		Blood Gas Analyser			
12		Nephelometry, Chemiluminense			
13		Scanning and Transmission Electron microscopy			
14		Electrophoresis apparatus, Densitometer			
		Special staining			
15		Immunofluorescence & immunohistochemistry.			
		Molecular Technique			
16		Concept of PCR/molecular laboratory			

17		PCR machines - all kinds			
18		Principle of PCR, Micro Array			
19		HLA typing , DNA profiling			
20		Cell culture Hybridization			
21		Recombinant DNA technology			
22		Flow cytometry			
23		Atomic absorption spectrophotometer			
24		High performances liquid chromatography (HPLC)			
25		Microscope-Light, Fluorescent, dark ground, phase contrast			
26		Bio-safety hood			

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Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Phase- A (Year-I1), Paper V: Clinical Biochemistry)

Duration: 8 weeks

Date of commencement: 1st March

Date of completion: Mid of June
Attendance in group teaching:
Attendance in practical session:
Total Marks: Marks obtained (%):

Knowledge:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		Basic Chemistry			
02		Mol Wt, Atomic Wt. Eq. wt. Log table & Periodic table.			
03		Water purification/ grading of water, Osmolarity, Normality, Specific gravity etc			
04		Colloid, Crystalloid			
05		Disorders of carbohydrate; Diabetes Mellitus,			
06		Metabolic disorder of protein			
07		Lipids metabolic disorders of lipid			
08		Enzymology: diagnostic values of enzymes & isozymes in health and disease			
09		Acid-base and Electrolyte imbalance and regulation			
10		Vitamins & Trace elements and other important metals			
11		Hormones: chemistry, metabolism, physiology and pathology			
12		Gastric function tests, Pancreatic function tests, Intestinal function tests ,			
13		Malabsorption syndrome, Placental function tests			
14		Liver function tests Kidney function tests			
15		Endocrine function tests.			
16		Thyroid function tests			
17		Quality Assurance & QC in clinical biochemistry			
18		Techniques in Colorimetry, spectrophotometry, Electrophoresis, chromatography & HPLC			
19		Cardiac enzymes			
20		Lab Hazards and safety in clinical chemistry			
21		Lab automation in clinical chemistry			

Skills:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	

01		Manual method of estimation of glucose, bilirubin, urea, cholesterol			
02		Automated method of estimation of a. Above B. SGPT, SGOT, LDH, CPK, Calcium, Phosphate			
03		Measurement of blood PH and Arterial blood gas analysis			
04		Electrolytes estimation			
05		Methods of estimation vitamins and trace elements			
06		Methods of hormone assay- ELISA RIA			

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Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Phase- A (Year-I), Paper VI : Clinical Microbiology)

Duration: 16 weeks

Date of commencement: 1st July

Date of completion: 3rd week of September

Attendance in group teaching:

Attendance in practical session:

Total Marks: Marks obtained (%):

Knowledge:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
		Bacteriology			
01		Smear & Stains Smear: Definition, Characteristics, Types, Utility Types of staining, Principles of different staining, Role of staining in microbiology, Application of staining.			
02		Sterilization- (Basic)			
03		Nosocomial infection, Infection control program, Hospital waste management			
04		Media preparation, preservation and culture techniques			
05		Antimicrobial agents and drug resistance			
06		Laboratory safety and bio-safety cabinet			
07		Blood culture			
08		Gram positive cocci, Gram positive Rod (Co.dip)			
09		Gram-negative Rods, salmonella, e coli, kleb, enterobacter, pseudomonas acinobacter, proteus			
10		Mycobacterium			
		General Virology			
11		Introduction of Virology: Nomenclature, definition, classification & general characteristics			
12		Viral pathogenesis, Viral growth & replication, Antiviral agents			
13		Immunity in viral infections, Control of viral diseases: Prevention – viral vaccines, Bacteriophages			
14		Laboratory diagnosis of viral diseases, Tissue culture and other laboratory Techniques, Serological method in virology			
		Mycology:			
16		Basic mycology: Definitions, classification, structure, Pathogenesis, Superficial, Cutaneous & Subcutaneous Mycoses			

17		Systemic mycoses-Histoplasma			
18		Laboratory diagnosis of fungal diseases			
		Laboratory techniques: (Practical)			
19		Collection technique, transport, processing and preservation of clinical specimens for microbiological tests.			
20		Preparation & uses of the following culture media:- Nutrient agar, Blood agar, Chocolate agar, MacConkey's agar, S.S. agar, Potassium Tellurite agar, Muller Hinton agar, Lowenstein Jensen, SDA media			
21		Handling of Blood, Throat swab, Stool, Urine, wound swab, rectal swab, Sputum, Body fluids for bacteriology examination.			
22		Serological test for diagnosis of microbiological diseases.			
23		Antimicrobial sensitivity testing.			

Skills:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
			K	S	
01		India ink preparation and its interpretation			
02		Fungal slide preparation and examination			
03		P/S examination			
04		Fungus M/F (Stain)			
05		ICT filaira			
06		ICT leptospira			
07		Toxoplasma IgG avidity test			
08		Anti TB IgG/IgM/IgA/ H. Pylory IgG			
09		Molecular microbiology			
10		Gene x pert (Sputum) tuberculosis			
11		Gene x pert MTD			
12		PCR			
13		MTB-NIM			
14		MTB-MDR			
15		MTB-PVC X DR			
16		MTB-XDR			
17		Tuberculin skin test			
18		Slit skin preparation			
19		Preparation of stain and its interpretation			
20		Serological test – ASO, RA, TPHA, Widal,			

		VDRL			
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(>80%: Excellent, 70-80%: Good, 60-70%: Average, <60%: Below Average)

Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Thesis

Duration: 40 weeks

Date of commencement: Feb

Date of completion:

Attendance in group teaching:

Attendance in practical session:

Sl. No.	Date & Duration	Topic	Remark		Initial of Supervisor
01		Journal presentation			
02		Thesis Protocol development			
03		Protocol presentation			
04		Teaching skill			
05		Laboratory work/Other departmental activities			
06		Seminar Presentation			
07		Thesis progress presentation			
08		Thesis writing			
09		Thesis submission			
10					
11					
12					

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Performance: Excellent/Good/Average/Below Average

Course Supervisor
(Signature & seal)

Course Manager
(Signature & seal)

Result of assessment examinations:

Sl. No.	Module	Written	Oral	Practical	Total	Remark	Initial of supervisor

01	I						
02	II						
03	III						
04	I						
05	II						
06	III						

Class Attendance:

Sl. No.	Module	Class held	Present	Percent	Remark	Initial of suprvisor
01	I					
02	II					
03	III					
04	IV					
05	V					
06	VI					

Seminar & Slide session Attendance:

Sl. No.	Module	Held	Present	Percent	Remark	Initial of suprvisor
01	I					
02	II					
03	III					
04	IV					
05	V					
06	VI					

Assignment:

Sl. No.	Module	Given number	Completed	Performance	Remark	Initial of suprvisor
01	I					
02	II					

03	III					
04	IV					
05	V					
06	VI					

Journal Club Presentation:

Sl. No.	Date	Topic	Remark	Initial of supervisor
01				
02				
03				
04				
05				
06				

Personal characteristics:

Points	Rating	Initial of supervisor
Generous & cooperation	Ordinary/Good/Excellent	
Be open to new ideas	Ordinary/Good/Excellent	
Display confidence	Ordinary/Good/Excellent	
Think analytically	Ordinary/Good/Excellent	
Sensitive to the need of others	Ordinary/Good/Excellent	
Departmental activities & management	Ordinary/Good/Excellent	

Check list for evaluating class room behavior:

Item	Rating	Initial of supervisor
Attentiveness	Ordinary/Good/Excellent	
Habit to side talking	Ordinary/Good/Excellent	
Habit of drowsiness	Ordinary/Good/Excellent	

Check list for evaluating Laboratory behavior:

Item	Rating	Initial of supervisor
Proper handling of equipments	Ordinary/Good/Excellent	
Taking care of instruments	Ordinary/Good/Excellent	

Cleansing of materials	Ordinary/Good/Excellent	
Setting material in order	Ordinary/Good/Excellent	

Examination format:

End-block ev End module Exams Gi marks distribution

Assessment	Total Marks	Pass Marks	Time
A. Written exam	50	30	90 minutes
Objective question	15		
SAQ	35		
B. Oral exams	50	30	”
C. Practical/Clinical Exams	50	30	”
D. Grades and marks from within – Block or within – module assessment (Log- book result)	50	30	”
	200		
GLv†b me©†gvU cÖvß bª^i†K (Formative Assessments - G cÖvß bª^i wn†m†e cY” Kiv n†e 			

Summative (Part- Final and Phase–Final) Exam Gi marks distribution cÖwZ Paper Gi Rb”

Assessment	Total Marks	Pass Marks	Time
A. Written exam SAQ Short Essay questions (and others)	100	60	90 minutes
B. Oral exams	100	60	”
C. Practical/Clinical Exams & OSPE	100	60	”
	300		
cÖwZ Paper Gi djvdj Gi †ÿ†Î Summative Exams G cÖvß Marks Gi 70 % Gi m†½ Formative Assessment G cÖvß Marks Gi 30 % hy³ n†q cÖwZ paper total Marks wba©vwiZ n†e 			

Summative and phase Final examination format: Written examination

Written marks: Total 100

Distribution:

SAQ – 18 Question (Mark break mn) : 90 Mark

Short essay type question (SEQ) : 1 question 10 mark (No mark break)

Question `ywU Group **G n̄e Ges DĒi** Separate Answer script **G wjL̄Z n̄e|**

Group- A **†Z** SAQ question **n̄e** Total - **10wU**

Group- B **†Z** SAQ question **n̄e** Total - **8wU** | SEQ **n̄e** **1wU**

`yBRb Examiner `ywU MÖǣci LvZv †`L̄eb| (External examiner-**1 MÖæc** | Internal examiner -**1 MÖæc**) SAQ -**†Z †Kvb Acmb \_vK̄e bv|** Group –B **†Z 10 gv̄K̄i** SEQ-**†Z 1 wU Ackb \_vK̄e A\_v̄r 2wU** SEQ-**\_vK̄e Ges cix̄v\_x̄** †h †Kvb **1wU DĒi w`̄eb|**

Year ending **cix̄v** /Phase- A final **cix̄v** pass mark 60%

Formative Assessment -**Gi †mB** Paper **cix̄v Gi mswkøó As̄k cÖv̄b b̄^†ii 30 %**
Year ending/Phase final **cix̄vi cÖv̄b gv̄K̄i 70 % Gi mv̄_ hy³ n̄q cÖwZ †ccvi**
Gi Total mark **wbāvwiZ n̄e| cÖwZ G cvk gvK̄ n̄e 60|** Formative **cix̄vi**
mswkøó †ccv̄ii 30 % gvK̄ wefvM n̄Z †Kvm̄ †Kv-AwW̄†bUi |
†Pqvig`v̄bi †qš_ ^v̄†i cix̄v wbqš̄̄†Ki Awd̄m †cÖiY Kiv n̄e| cix̄v
wbqš̄̄†Ki Awdm Year ending /Phase- A final **cix̄vi dj cÖKvk Kīeb|**

Practical examination format

Practical examination **G OSPE n̄e Kgc̄†̄ 40 %**, OSPE **†Z Station Ges** Component (Content & type) **†Kgb n̄e †m e`vcv̄†i wefvM mgyn wm̄v̄š̄i wb̄e|**

AvbygwbK 10 wU Station **G OPSE n̄e (hvi ḡ†a` b~`bZg 2 wU** Procedural station). **evKx 60 %** Marks **Gi** Practical , Teaching Skill, Drawing & Labeling, Problem solving **Ges eo †Kvb** lab work **Ges wefvMxq Pvwn`v Abyqvqx Ab`vb` welqvejx** **†`qv †h̄Z cv̄i|**

Phase B

In addition to doing research residents have to do the routine works in the department, attending seminars, journal club etc.

Topic	Total Marks	Pass marks
Thesis & Thesis defense	200	120
Practical & Comprehensive viva	100	60

1. the results of the thesis presentation and defense will be consolidated as follows
 - i) Accepted
 - ii) Accepted with correction
 - iii) Not Accepted
2. In case a candidate is unable to satisfy the examination board members even though the thesis is adjudged adequate, the board may recommend to the Academic council that the candidate may be permitted to appear at another oral examination after a lapse of 6 months from the first oral examination.
3. If a thesis is judged inadequate for the award of the M Phil degree, the examiners may permit the candidate to do more research work in order to improve the standard of the thesis and may recommend the Academic council that the candidate may be allowed to appear at a new examination after improvement of his/her thesis.