



DEPARTMENT OF MICROBIOLOGY
MAULANA AZAD MEDICAL COLLEGE,
NEW DELHI-110002

M.B.B.S. STUDENT'S LOG BOOK (MICROBIOLOGY)

Name of the student:

Date of admission to MBBS Course:

Date of beginning of the current Phase:

Reg: No. (College ID)

University Enrolment Number:

Permanent Address:

E mail ID: (optional)

Mobile Number: (optional)

Space for Photograph

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LOGBOOK CERTIFICATE

This is to certify that the candidate Mr/ Ms _____ Reg No. _____, admitted in the year _____ in the Maulana Azad Medical College, New Delhi, has satisfactorily completed / has not completed all assignments /requirements mentioned in this logbook for Second year MBBS course in the subject of Microbiology during the period from _____ to _____. She/He is/is not eligible to appear for the summative (University) assessment as on the date given below.

Signature of Faculty in-charge (Batch ____)

Head of the Department

Dean

Place:

Date:

Prepared by Dr Sonal Saxena, HOD-Microbiology, MAMC, New Delhi

GENERAL INSTRUCTIONS

- 1)** The logbook is a record of the academic/co-curricular activities of the designated student, who would be responsible for maintaining his/her logbook.
- 2)** The student is responsible for getting the entries in the logbook verified by the Faculty in charge regularly.
- 3)** Entries in the logbook will reflect the activities undertaken in the department & have to be scrutinized by the Head of the concerned department.
- 4)** The logbook is a record of various activities by the student like:
 - Overall participation & performance
 - Attendance
 - Participation in sessions
 - Record of completion of pre-determined activities
 - Acquisition of selected competencies
- 5)** The logbook is the record of work done by the candidate in that department / specialty and should be verified by the college before submitting the application of the students for the University examination.

Summary of attendance

	Percentage of classes attended		Signature of student	Signature of Teacher
	Theory	Practical		
Attendance at end of 1 st IA				
Attendance at end of 2nd IA				
Attendance at end of 3rd IA				
Cumulative attendance for the year				
Eligible for University examination (Yes / No)				

MICROBIOLOGY DOAP SESSIONS RECORD

Term 1

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
MI 8.7 DOAP 1	Hand hygiene & PPE (1+1)						
MI1.2a DOAP 2	1. List out various methods of staining and uses. 2. Discuss the principle of Gram staining (GPC) 3. Perform independently Gram staining 4. Document the findings with suitable diagram 5. Interpret the result of Gram stain						
MI1.2a DOAP 3	1. List out various methods of staining and uses. 2. Discuss the principle of Gram staining 3. Perform independently Gram staining (GNB) 4. Document the findings with suitable diagram 5. Interpret the result of Gram stain						

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
MI1.2b DOAP 4	Practical: Gram stain of yeast 1. Discuss the principle of ZN staining 2. Perform independently ZN staining 3. Document the findings with suitable diagram 5. Interpret the result of ZN stain						
MI 1.2c DOAP 5	1. Perform independently stool wet mount preparation 2. Identify ova/ cyst/ larvae / trophozoite. 3. Document the findings with suitable diagram]						
DOAP 6:	Practical: visit CSSD, media room for autoclave, hot air oven working						
MI1.2c DOAP 7	1. Discuss the principle of ZN staining 2. Perform independently ZN staining 3. Document the findings with suitable diagram 4. Interpret the results of ZN staining with RNTCP grading						
DOAP 8:	Practical Revision						

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
MI2.6 DOAP 9:	Practical: Preparation of PBS, examination of PBS for MP						
MI 2.6 DOAP 10:	Lab tests for hgic fevers, PBS for filariasis and malaria Practical: Preparation of PBS, examination of PBS for MF						
DOAP 11	Revision Practical						

MICROBIOLOGY DOAP SESSIONS RECORD**Term 2**

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
MI2.3 DOAP 12	Practical: Gram stain and hanging drop <i>Staphylococcus & Streptococcus</i>						
MI3.2 DOAP 13	Hanging drop, motility of E coli, <i>Shigella</i> and <i>Vibrio</i> Practical: Gram stain and hanging drop of <i>E coli & Shigella</i>						
MI3.2 DOAP 14	Practical Gram stain and hanging drop of <i>Shigella, E. Coli</i>						
MI3.4 DOAP15:	Blood culture techniques, Grams, motility colony characteristics of NLF motile (<i>Salmonella</i>) Practical: Gram stain and motility of <i>Salmonella</i>						
MI3.2 DOAP 16	Stool examination						
MI6.3 DOAP17	ZN Staining, LJ etc.						

MI 6.2 DOAP 18	Grams, Motility and growth characteristics of <i>Staphylococcus</i> and <i>Corynebacterium</i>						
MI2.3 DOAP 19	Practical: Gram stain and hanging drop <i>Staphylococcus</i> & <i>Streptococcus</i>						

MICROBIOLOGY DOAP SESSIONS

Term 3

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
DOAP 20	Gram stain and hanging drop of GNB Demo: Syphilis diagnosis and syndromic approach						
MI 6.3 DOAP 21	Gram and hanging drop of LRTI { <i>Klebsiella</i> , <i>Proteus</i> , <i>Pseudomonas</i> }						
MI8.7 DOAP 22	Hand Hygiene & PPE						
DOAP 23	Gram stain and motility of GPC						
DOAP 24	ZN Staining of AFB						
DOAP 25	Gram stain of GNB						
DOAP 26	Gram stain of GNB						
MI 5.3 DOAP 27	Grams stain and Hanging drop of GNC, GPC						
MI 5.3 DOAP 28	Grams stain and Hanging drop of GNC, GPC						
DOAP 29	Stool examination						

Competency	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
DOAP 30	PBS for MP/MF						
DOAP 31	ZN Stain						
MI8.7 DOAP 32	PPE & Hand hygiene						
MI8.10 DOAP 33	Appropriate method of collection of samples in the performance of laboratory tests in the detection of microbial agents causing Infectious diseases						
MI 8.14 DOAP 34	Demo: Confidentiality pertaining to patient identity in laboratory result						
DOAP 35	Revision Practical						
DOAP 36	Revision Practical						
DOAP 37	Revision Practical						
DOAP 38	Revision Practical						
DOAP 39	Revision Practical						
DOAP 40	Revision Practical						
DOAP 41	Revision Practical						
DOAP 42	Revision Practical						
DOAP 43	Revision Practical						

MICROBIOLOGY SELF DIRECTED LEARNING (SDL)

SESSIONS

S. no.	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
	SDL 1: Antimicrobial stewardship in a hospital setting						
	SDL 2: Biomedical Waste management						

MICROBIOLOGY DOAP SESSIONS

Competency number	<u>Name of Competency</u>	<u>Method</u>
MI 2.3 (a)	Identify the microbial agents causing Rheumatic Heart Disease	Case based exercise or OSPE
MI 2.3 (b)	Identify the microbial agents causing infective Endocarditis	Case based exercise or OSPE
MI 2.6 (a)	Identify the causative agent of malaria	Case based exercise/Peripheral blood smear examination
MI 2.6 (b)	Identify the causative agent of filariasis	Case based exercise/Peripheral blood smear examination
MI 3.2 (a)	Identify the common etiologic agents of diarrhea	Case based exercise (Bacterial agents) or Hanging drop examination/OSPE
MI 3.2 (b)	Identify the common etiologic agents of dysentery	Case based exercise (Bacterial agents) or Stool examination for ova and cysts/OSPE
MI 5.3	Identify the microbial agents causing meningitis	Case based exercise or OSPE
MI 8.10	Demonstrate the appropriate method of collection of samples in the performance of laboratory tests in the detection of microbial agents causing Infectious diseases	OSPE – collection of pus swab, throat swab, dermatology samples
MI 8.11	Demonstrate respect for patient samples sent to the laboratory for performance of laboratory tests in the detection of microbial agents causing Infectious diseases	Case based OSPE
MI 8.15	Choose and Interpret the results of the laboratory tests used in diagnosis of the infectious disease	Case based exercises to interpret

MICROBIOLOGY AETCOM SESSION

Module#	Name of AETCOM Activity	Date completed	Attempt at activity First (F); Repeat (R); Remedial (Re)	Rating Below Expectations(B); Meets Expectations(M); Exceeds Expectations(E)	Decision of faculty Completed (C); Repeat (R); Remedial (Re)	Initial Of faculty And date	Feedback Receive d Initial of learner
MI 8.14	<p>Demonstrate confidentiality pertaining to patient identity in laboratory results</p> <p>Counsel patient with HIV/ STD before or after the test in simulated setting. Components of the activity:</p> <ol style="list-style-type: none"> 1. Small group discussion with the faculty member regarding the pre and post test counselling for HIV. Interpretation of test report, confidentiality to be maintained and counselling. 2. Students will be paired in teams of two and one asked to be the doctor and the other the patient. The counselling session is enacted out and assessed by the faculty. 3. Feedback given on the session – discussion about the do's and don't's. <p>Criteria for successful completion: Active participation and assessment of reflections. Numerical scoring : Not required</p> <p>Documentation of activity in the log book : Reflections to be done by the student</p>						

REFLECTIONS FOR AETCOM SESSION

FORMATIVE ASSESSMENTS

S. No.	Name of the activity	Date completed	Attempt at Activity First or Only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations	Decision of facilitator Completed (C) Repeat (R) Remedial (Re)	Initials of faculty and date	Feedback Received Initial of learner
	ASSESSMENT – I General Microbiology						
	ASSESSMENT – II Immunity & HIV						
	ASSESSMENT – III Infections of blood						
	ASSESSMENT – IV GIT Infections						
	ASSESSMENT – V Anaerobes, Skin and Soft Tissue Infections						
	Assessment - VI CNS infections, zoonosis						

INTERNAL ASSESMENT RECORD

Theory	T1	T2	T3	Total %
Interest in subject (5)				
Active participation (5)				
Scientific attitude (5)				
Any other academic input (SDL, Quiz, Poster, Paper presentation, social service) (5)				
Exams assessment (80)				
Total Theory				
Practical				
Interest in subject (5)				
Attitude (5)				
Bench Work culture (5)				
Behaviour (5)				
Term exams Assessment (60)				
Log Book (10)				
Practical record Book (10)				
Total Practical (100)				
Total IA (Theory + Practical)				
Signature Student				
Signature Teacher In charge				
Signature HOD with				
Remarks/Remedial measures suggested				