

**Odisha University of Health Sciences
DhanwantariBhavan, Bhubaneswar, Odisha**

**LOG BOOK
For
POST GRADUATE STUDENTS**

Department of: PHARMACOLOGY

Name of the Institution: _____

**Prepared by:
Log book Committee (Broad Specialties) 2023
OUHS, Bhubaneswar**

**ODISHA UNIVERSITY OF HEALTH SCIENCES,
DHANWANTARI BHAVAN, BHUBANESWAR.**

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Department of: PHARMACOLOGY

Name of the Institution: _____

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CERTIFICATE

This is to certify that, this logbook contains bonafide work of

Dr. _____, a Post-
Graduate student of the Department of **PHARMACOLOGY** of
_____, Odisha for the
session _____.

Date:

Post Graduate Guide

Head of the Department

Dean & Principal

GENERAL INSTRUCTIONS:

This log book is intended to be a record of all the activities of Postgraduate students, as they perform and participate in the course, including training.

1. It shall solely be the responsibility of the student to ensure that, the desired entries are made in day-to-day basis and relevant documents if any are kept.
2. It shall be the responsibility of the HOD to ensure that, all students maintain their log books in an orderly manner.
3. Each student shall enter his/her leave record in the concerned section immediately after returning from leave.
4. The learners feedback form should be filled up before submitting the log book for the University Examination. It is expected that, students should give their feedback with all seriousness and help the University in improving and strengthening the Postgraduate education.
5. Submission of Logbook: The up-to-date log book is a pre-requisite for fill up of forms for the University Examination and hence the completed Logbook shall be submitted to the department when the same is asked for.

6. **INSTRUCTIONS FOR FILLING THE LOG BOOK:**

Please Note: All assessments would be in Likert's 5-pointscale/score:	
Score	Interpretation
0	Poor
1	Below average
2	Average
3	Good
4	Very good

- a. All entries should be properly entered and duly signed from the Supervisor / Unit In charges / Guide / HOD, as required.
- b. Under Instructions from the Head of Department, suitable corrections can be incorporated.
- c. Research participation pertaining to Conferences, Poster / Oral presentation and publication shall be entered directly in a Consolidated form.
- d. At the end of training, it's mandatory to fill up the feedback form and submit it to Postgraduate Office.
- e. It is an integral part of practical evaluation in the University examination.
- f. After the practical examination it shall be returned back to the student.
- g. There would be periodic evaluation regarding maintenance of log book by Postgraduate education office, and in case of any deficiency, the student would be responsible and suitable action may be taken against them for the same.
- h. Additional pages [if required] can be added.

PERSONAL PROFILE OF THE STUDENT:

Name:		
Address:		
E-mail ID:		
Phone No.:		
DOB (dd/mm/yy):		
Blood group:		
Vaccination status:		
Paste your PP size Photograph		

Registration Number:	Name of the Medical Council:	Valid up to:

OUHS Registration Number:	
---------------------------	--

Qualification Details	College	University	Month & Year of completion
MBBS			

Experience before joining:

Designation	Department	Institution	From	To

Date:

Signature of the PG student

COURSE DETAILS:

Degree / Diploma			
Date of Joining		Date of completion	

Details of Postings [as per Curriculum by NMC]:

PARTICIPATION IN RESEARCH METHODOLOGY TRAINING:

Name of the Institution	From	To	Signature of the Guide / HOD

PARTICIPATION IN BCBR COURSE

Name of the institute	Date of registration	Date of the examination	Date of publication of result	Signature of the HOD

PARTICIPATION IN BCME TRAINING:

Name of the Institution	From	To	Signature of the HOD

PARTICIPATION IN BCLS / ACLS TRAINING:

Name of the Institution	From	To	Signature of the HOD

LEAVE RECORD:

Sl. No.	From	To	Reason:	Signature of the Unit Head
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Total No. of Leaves				

Signature & Seal of the Head of Department

DETAILS OF PARTICIPATION IN ACADEMIC PROGRAMS:						
SI. No.	Date	Name of the Academic Program	International / National / State / Institutional Event	Organized by	Nature of participation [Delegate / Presentation if any]	Initials of the HOD
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PUBLICATIONS	
Title:	
Authors:	
Name of the journal:	
Indexed in [NMC approved agency only]:	
Status of publication:	
Citation if published:	
Title:	
Authors:	
Name of the journal:	
Indexed in [NMC approved agency only]:	
Status of publication:	
Citation if published:	
Title:	
Authors:	
Name of the journal:	
Indexed in [NMC approved agency only]:	
Status of publication:	
Citation if published:	

Internal Assessment Results:

Year		Theory [100]	Practical/Clinical/Oral [100]	Total out of 200 [%]
1 ST	I			
	II			
	III			
2 ND	I			
	II			
	III			
3 RD	I			
	Prelims			

Date:

Signature & Seal of the Head of Department

DETAILS OF THE DRP SCHEDULE [AS PER CURRICULUM BY NMC]:

Name of the Institution	Year of PGT	From	To	Duration

Sl. No.	Day / Date	Place of work	Nature of work	Activity learn [Should include: 1. Patient care / Diagnostic services as per the subject. 2. Health care Management activities both HR & Logistics, Communication skill. 3. Team work]	Level of participation [Observation / Performs under observation / Performs independently]	Signature of the DRPC
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REFLECTIONS

CERTIFICATE OF COMPLETION OF DISTRICT RESIDENCY PROGRAM

It is certified that Dr. _____ has satisfactorily completed the District Residency program w.e.f. _____ to _____. During his/her District Residency Program training at _____ District, his / her performance has been reported to be _____.

Department:

Date:

Place:

Signature of Guide / Mentor

Signature of Head of Department

Signature of the District Residency Program Coordinator

Signature of the Medical Superintendent

Signature of the CDM PHO

STRUCTURED TRAINING PROGRAM:

Teaching learning methods:

1. Lectures: at least 10 per year.
2. Student Seminar [Topic]: once in 1 – 2 weeks.
3. Journal club: once in 1 – 2 weeks.
4. Student Symposium: once every 3 months
5. Laboratory work / Bedside clinics: once every 1-2 weeks
6. Interdepartmental colloquium [other department/s on topics of current/common interest]: once monthly.
7. Rotational clinical / community / institutional postings:

Sl. No.	Section / Subject	Duration in weeks
1	Medicine	2
2	Anesthesia	2
3	Dermatology	1
4	Medical oncology	2 (if available)
5	Microbiology/Hospital infection control unit	2
6	Biochemistry	2
7	Hospital pharmacy	1 (if available)
8	Clinical trial unit/Research unit/ Pharmaceutical industry	2-8 weeks
9	MEU/DOME	1(optional)

8. UG Teaching:

Evaluation of STUDENTS SEMINAR PRESENTATION:						
Guidelines for evaluation of Seminar Presentation						
SI. No.	Points to be considered					
1	Whether other relevant publications consulted					
2	Whether cross references have been consulted					
3	Completeness of preparation					
4	Clarity of Presentation					
5	Understanding of subject					
6	Ability to answer questions					
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.						
SI. No.	Date	Seminar Topic	Presented / Participated	Average Grade*	Name of the Moderator	Initials of the Moderator
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Evaluation of JOURNAL REVIEW PRESENTATION:						
Guidelines for evaluation of Journal Review Presentation						
SI. No.	Points to be considered					
1	Article chosen is relevant and appropriate					
2	Extent of understanding of scope & objectives of the paper by the candidate					
3	Whether understood the Material, Methods, Observation and statistical analysis					
4	Whether cross references have been consulted					
5	Ability to respond to questions on the paper / subject					
6	Ability to analyse the paper and co-relate with the existing knowledge					
7	Ability to defend the paper					
8	Clarity of presentation					
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.						
SI. No.	Date	Journal Topic	Presented / Participated	Average Grade*	Name of the Moderator	Initials of the Moderator
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Evaluation of Laboratory work / Bedside clinics:						
Guidelines for evaluation of Laboratory work / Bedside clinics						
SI. No.	Points to be considered					
1	Completeness of history					
2	Ability to arrive at a differential diagnosis & diagnosis					
3	Ability to defend the diagnosis					
4	Ability to answer questions					
5	Understanding of subject					
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.						
SI. No.	Date	Lab work/case	Presented / Participated	Average Grade*	Name of the Moderator	Initials of the Moderator
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Evaluation of INTERDEPARTMENTAL COLLOQUIUM:					
Guidelines for evaluation:					
SI. No.	Points to be considered				
1	Completeness of history				
2	Clarity of presentation				
3	Logical order				
4	Accuracy of general physical examination				
5	Diagnosis				
6	Ability to defend diagnosis				
7	Ability to justify differential diagnosis				
8	Ability to plan management of the case				
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.					
SI. No.	Date	Case History	Diagnosis	Presentation / Participation	Initial of the Guide / HOD
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Evaluation of STUDENTS SYMPOSIUM:						
Guidelines for evaluation of Students symposium						
SI. No.	Points to be considered					
1	Whether other relevant publications consulted					
2	Whether cross references have been consulted					
3	Completeness of preparation					
4	Clarity of Presentation					
5	Understanding of subject					
6	Ability to answer questions					
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.						
SI. No.	Date	Topic	Presented / Participated	Average Grade*	Name of the Moderator	Initials of the Moderator
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Evaluation of UG Teaching Skills:						
Guidelines for evaluation of UG Teaching skills:						
SI. No.	Points to be considered					
1	Communication of the purpose of the talk					
2	Evokes the interest of audience in the subject					
3	Introduction & Sequence of ideas					
4	Speaking style [enjoyable / monotonous etc., specify]					
5	Attempts audience participation					
6	Answer the questions asked by the audience					
7	Summary of the main points at the end					
8	Rapport of speaker with his audience					
9	Effectiveness of the talk					
10	Use of AV aids appropriately					
Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.						
SI. No.	Date	Topic of teaching	Class / Practical / Clinics / Demos	Average Grade*	Name of the Supervising faculty	Initials of Guide/ Faculty
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THESIS

(To be submitted for registration of the Thesis topic within six months from the date of joining the course.)

Title of the Topic:

Name of the Guide:

Name of the Co-guide(s) if any:

Guidelines for evaluation of Thesis [Synopsis]				
SI. No.	Points to be considered			
1	Interest shown in selecting a topic			
2	Appropriate review of literature			
3	Discussion with guide and other faculty			
4	Quality of protocol			
5	Preparation of proforma			

Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.

Evaluation of Thesis [Synopsis]:				
SI. No.	Date	Average Grade*	Name of the Faculty & Designation	Initials of the Faculty

Signature of the Candidate:

Signature of the Guide

Signature of the HoD:

THESIS WORK

(To be filled before submitting the dissertation to the University & retained in this book)

Name of the Topic:

Name of the Guide(s):

Date of Registration of Thesis Topic:

Date of approval of the Thesis:

Date of Submission of Thesis:

PERIODIC EVALUATION OF THESIS WORK

Guidelines for periodic evaluation of Thesis	
SI. No.	Points to be considered
1	Periodic consultation with guide / co-guide
2	Regular collection of case material
3	Discussion with guide / co-guide
4	Departmental presentation of progress of work
5	Assessment of final output
6	Others

Corollary Grading in all checklists: Poor-0, Satisfactory-1, Average-2, Good-3, Very Good-4.

Evaluation of Thesis:			
Date of the review	Average Grade*	Name of the members of the review committee	Initials of the Guide
12 th month			
18 th month			
24 th month			
30 th month			

Signature of the Candidate:

Signature of the Guide

Signature of the HoD:

COMPETENCIES TO BE LEARNT:

a. Mandatory

(i) The students after training in the MD (Pharmacology) course should be able to *perform the following procedures independently or as a part of a team and/or interpret the results:*

1. Predict, report, monitor and participate in the management and causality assessment of adverse drug reactions associated with use of drugs, as per national program.
2. Demonstrate skills for writing rational prescriptions and prescription analysis.
3. Demonstrate proper use of equipment following the SOPs e.g. organ bath, analgesiometer, physiograph, convulsiometer, plethysmograph, equipment for testing/measuring learning and memory, affective disorders, muscle relaxants, blood pressure, ECG, respiration and pain.
4. Prepare drug solutions of appropriate strength and volume.
5. Determine EC50, ED50, pD2 and pA2 values of drugs.
6. Demonstrate presentation skills in a classroom setting as well as in academic meetings at local and national levels.
7. Provide critical appraisal of a research paper.
8. Perform experiments to demonstrate and interpret the dose response curve and effect of agonists (in the presence or absence of an antagonist) on simulations.
9. Perform the following:
 - Design protocol for evaluation of a given drug for various phases of clinical trials.
 - Prepare Informed Consent Form and Participant Information Sheet for clinical trials/research.
 - Administer Informed Consent Form
 - Evaluate promotional drug literature
 - Prepare “Package insert”
 - Calculate and interpret pharmacokinetic parameters of a drug from a given data
 - Demonstrate skills to prepare material for teaching-learning and assessment.

ii. The students after training in the MD (Pharmacology) course should be able to *do/perform following procedures under supervision:*

10. Test and predict efficacy of drugs following appropriate guidelines and regulations e.g. drugs affecting memory and psychomotor functions (e.g. critical flicker fusion tests in human volunteers), pain, cardiovascular functions, respiratory functions etc.
11. Observe and understand basic principles of working of important contemporary drug analytical techniques, interpret the observations about the drug levels and their therapeutic applications.
12. Demonstrate skills for contributing to antibiotic stewardship program of the institute to manage antimicrobial resistance.
13. Demonstrate Standard Operating Procedures (SOPs) for various methods and techniques used in pharmacology including SOPs in clinical trials and research.
14. Administer drugs by various routes (subcutaneous, intravenous, intraperitoneal) in simulations and hybrid models.
15. Demonstrate acquisition of writing skills for scientific publications and research projects for funding agencies and approval by Ethics Committee.
16. Demonstrate scientific writing skills.

b. Desirable: The students after training in the MD (Pharmacology) course should be able to:

17. Collect blood samples and oral gavage from experimental animals.
18. Administer drugs by various routes (subcutaneous, intravenous, intraperitoneal) in experimental animals.
19. Perform *in vivo* and *in vitro* animal experiments or simulated experiments, interpret the observations and relate these to potential clinical applications of the experimental drug: e.g. - effect of mydriatics and miotics on rabbit eye, effect of anti-epileptic drugs using appropriate animal models of epilepsy, effect of analgesics using appropriate animal models of analgesia, and effect of drugs on learning, memory and motor coordination and effect of local anesthetics.
(These are examples, but the list is not limited to this only.)
20. Perform experiments to demonstrate and interpret the dose response curve and effect of agonists (in the presence or absence of an antagonist) on various biological tissues.

Animal Experiments: All animal experiments must be compliant with the **Regulations of Government of India, notified from time to time.** Amphibian/Dog/Cat experiments should be conducted by computer assisted simulation models/facilities. Other experiments can be performed, but as permissible by existing 'Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)' guidelines and other Government regulations.

Sl. No.	Competency addressed	Nature of Activity	Level of competency achieved}			Signature of the Faculty
			O	PS	PI	
O – Observed, PUS – Performed under supervision, PI – Performed independently						
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FEEDBACK BY THE STUDENT

(To be filled up at the time of filling up of forms for University Examination. The filled up form is to be sent in a sealed envelope addressed to the Vice-Chancellor, OUHS, Bhubaneswar. It will be opened only after the student has passed.)

Name of Student:

Department:

Period of study: From _____ to _____

Due date of examination:

Date of submission of Thesis/Topic:

Name of Guide:

Name of H.O.D.:

- i. Do you think that, your goal of pursuing post-graduate education in the subject is achieved: Yes/No
- ii. Do you think that, you have been trained adequately by the department in:
 - a. Professional experience Yes/No
 - b. Academic teaching Yes/No
 - c. Recent advances Yes/No
 - d. Exposure to specialist from outside the institution Yes/No
 - e. Interaction with the patients Yes/No
 - f. Interaction with the colleagues Yes/No
 - g. Interaction with seniors Yes/No
 - h. Thesis/Research Yes/No
 - i. Article preparation Yes/No
 - j. Workshop Yes/No
 - k. Conferences Yes/No
 - l. C M E Yes/No
- iii. Do you think that, you have been trained as a fairly competent consultant: Yes/No
- iv. Were you harassed by your guide during the training period: Yes/No, if yes Name & Type:
- v. What was the attitude of HOD?:
- vi. What was attitude of other staff members:

vii. Were you forced for anything by anybody: Money/Tuition/Gifts/Other/None, if yes then by Whom:

viii. Any comment about interaction with other depts./colleague:

ix. Hostel:

x. Extra-curricular activity

a. Sports

b. Cultural

xi. Teaching aids:

xii. Library:

a. Central

b. Department

xiii. Work place safety:

xiv. Deficiencies you would like to point out particularly:

xv. Brief comments:

Signature & Date

Student appraisal form for MD in Pharmacology											
	Elements	Less than Satisfactory			Satisfactory			More than satisfactory			Comments
		1	2	3	4	5	6	7	8	9	
1	Scholastic aptitude and learning										
1.1	Has knowledge appropriate for level of training										
1.2	Participation and contribution to learning activity (e.g., Journal Club, Seminars, CME etc)										
1.3	Conduct of research and other scholarly activity assigned (e.g., Posters, publications etc)										
1.4	Documentation of acquisition of competence (e.g., Log book)										
1.5	Performance in work-based assessments										
1.6	Self-directed Learning										
2	Work related to training										
2.1	Practical skills that are appropriate for the level of training										
2.2	Respect for processes and procedures in the work space										
2.3	Ability to work with other members of the team										
2.4	Participation and compliance with the quality improvement process at the work environment										

2.5	Ability to record and document work accurately and appropriate for level of training									
3	Professional attributes									
3.1	Responsibility and accountability									
3.2	Contribution to growth of learning of the team									
3.3	Conduct that is ethically appropriate and respectful at all times									
4	Space for additional comments									
5	Disposition									
	Has this assessment pattern been discussed with the trainee?	Yes	No							
	If not explain									
	Name and Signature of the assesse									
	Name and Signature of the assessor Date									