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Competency Based Logbook for 2nd Professional MBBS

Pathology

Microbiology

Pharmacology







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Forewords
Mangal Singh
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Vatsala Misra

JAYPEE

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COMPETENCIES OF PATHOLOGY

S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
1.	Cell injury and adaptation	Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens. PA 2.8							
2.	Amyloidosis	Identify and describe amyloidosis in a pathology specimen. PA 3.2							
3.	Inflammation	Identify and describe acute and chronic inflammation in gross and microscopic specimens. PA 4.4							
4.	Hemodynamic disorders	Identify and describe the gross and microscopic features of infarction in a pathologic specimen. PA 6.7							
5.	Basic diagnostic cytology	Observe a diagnostic cytology and its staining and interpret the specimen. PA 8.3							
6.	Introduction to hematology	Perform, identify and describe the peripheral blood picture in anemia. PA 13.5							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
7.	Microcytic anemia	Identify and describe the peripheral smear in microcytic anemia. PA 14.3							
8.	Macrocytic anemia	Identify and describe the peripheral blood picture of macrocytic anemia. PA 15.3							
9.	Hemolytic anemia	Describe the correct technique to perform a cross match. PA 16.7							
10.	Lymph node and spleen	Identify and describe the features of tuberculous lymphadenitis in a gross and microscopic specimen. PA 19.3							
11.	Lymph node and spleen	Identify and describe the features of Hodgkin's lymphoma in a gross and microscopic specimen. PA 19.5							
12.	Lymph node and spleen	Identify and describe the gross specimen of an enlarged spleen. PA 19.7							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
13.	Plasma cell disorders	Describe the features of plasma cell myeloma. PA 20.1							
14.	Hemorrhagic disorders	Differentiate platelet from clotting disorders based on the clinical and hematologic features. PA 21.3							
15.	Blood banking and transfusion	Enumerate the indications, describe the principles, enumerate and demonstrate the steps of compatibility testing. PA 22.2							
16.	Clinical pathology	Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen. PA 23.1							
17.	Clinical pathology	Describe and interpret the abnormalities in a panel containing semen analysis, thyroid function tests, renal function tests or liver function tests. PA 23.3							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
18.	Gastrointestinal tract	Describe and identify the microscopic features of peptic ulcer. PA 24.3							
19.	Hepatobiliary system	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests. PA 25.6							
20.	Cardiovascular system	Interpret abnormalities in cardiac function testing in acute coronary syndromes. PA 27.8							
21.	Breast	Describe and identify the morphologic and microscopic features of carcinoma of the breast. PA 31.3							
22.	Skin	Identify, distinguish and describe common tumors of the skin. PA 34.4							

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ADD ON COMPETENCIES AS DECIDED BY THE DEPARTMENT OF PATHOLOGY

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

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COMPETENCIES OF THE PROCEDURES FOR CERTIFICATION

S. No.	Competency addressed	Name of the activity	Number required to certify P (perform)	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Prepare a peripheral blood smear and identify hemolytic anemia from it. PA 16.6		1						
2.	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests. PA 25.6		1						
3.	Identify the etiology of meningitis based on given CSF parameters. PA 35.3		1						

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Self-directed Learning (Seminars, Tutorials, Projects, Quizzes)

S. No.	Date	Topic learnt	Mode of bearing (project/quiz/seminar)	Signature of teacher
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

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S. No.	Date	Topic learnt	Mode of bearing (project/quiz/seminar)	Signature of teacher
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Note: Total allotted SDL hours for Pathology is 20 hours, each topic comprises of 1 hour.

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Reflection on Self-directed Learning

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

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Reflection on Self-directed Learning

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

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Reflection on Self-directed Learning

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

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Reflection on Self-directed Learning

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

Topic : **Date:**

What happened:

So what:

What next:

Signature of teacher-in-charge

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Competency Based Logbook for 2nd Professional MBBS

Salient Features

- Simple tabular format for pre-defined competencies for recording the activities conducted along with assessment scale as per NMC guidelines
- Separate section provided for competencies needed for certification in each subjects
- Separate section provided for self-directed learning (SDL) and with ample space for reflective writing of the respective subjects
- Separate section of pandemic management module for 2nd year MBBS with module and reflective writing space
- Separate section of AETCOM for 2nd year MBBS with modules and reflective writing space
- Ample space to record details of assignment and assessment.
- Separate sections are provided for students attendance record and extra classes column for poor attendance.

Saumya Singh MBBS MD is working as an Associate Professor, Department of Microbiology, United Institute of Medical Sciences, Prayagraj Uttar Pradesh, India. Infection Control Officer and Molecular Lab Incharge. She has published several scientific research papers in national and international journals. She has undergone training in Medical Education, NABL internal auditors training course (Kolkata) and is active member in MEU at her institute along with Curriculum Incharge for 2nd year MBBS.



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