



Department of Physiology
NSC Government Medical College, Khandwa (M.P.)
PRACTICAL TOPICS: HEMATOLOGY (Academic Session 2022-23)

Sr. No	Exercise No	Name of Exercise
1.	H1	Determination of blood groups
2.	H2	Determination of Bleeding & Clotting time
3.	H3	Estimation of Hemoglobin content of blood & preparation of Hemin crystals
4.	H4	Determination of ESR & PCV
5.	H5	Determination of total RBC count
6.	H6	Determination of blood indices
7.	H7	Determination of total WBC count
8.	H8	Determination of platelet count
9.	H9	Preparation of the peripheral blood smear and its staining.
10.	H10	Determination of differential leukocyte count

Distribution of practical batch, exercises and sequence of revision rotation:

Day	Batch	Week-1	Week-2	Week-3	Week-4	Week-5	Week-6	Week-7	Week-8	Week-9	Week-10	Week-11	Week-12
		Instructions & Demonstration			Revision rotation			Instructions & Demonstration			Revision rotation		
Mon	B	H1	H2	H3	R1	R1	R1	H4	H5	H6	R2	R2	R2
Tue	C	H1	H2	H3	R1	R1	R1	H4	H5	H6	R2	R2	R2
Wed	A	H1	H2	H3	R1	R1	R1	H4	H5	H6	R2	R2	R2
Day	Batch	Week-13	Week-14	Week-15	Week-16	Week-17	Week-18	Week-19	Week-20	Week-21	Week-22	Week-11	Week-12
		Instructions & Demonstration			Revision rotation			Demo	Revision rotation				
Mon	B	H7	H8	H9	R3	R3	R3	H10	R4	R4	R4		
Tue	C	H7	H8	H9	R3	R3	R3	H10	R4	R4	R4		
Wed	A	H7	H8	H9	R3	R3	R3	H10	R4	R4	R4		

Distribution of revision rotation exercises

Day	Seat.No	Week-4	Week-5	Week-6	Week-10	Week-11	Week-12	Week-16	Week-17	Week-18	Week-20	Week-21	Week-22
		R1	R1	R1	R2	R2	R2	R3	R3	R3	R4	R4	R4
Mon to Wed	1-13	H1	H3	H2	H4	H6	H5	H7	H9	H8	H10	H2	H1
	14-26	H2	H1	H3	H5	H4	H6	H8	H7	H9	H1	H10	H2
	27-40	H3	H2	H1	H6	H5	H4	H9	H8	H7	H2	H1	H10

Professor & Head
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PRACTICAL TOPICS: HUMAN PHYSIOLOGY (Academic Session 2022-23)

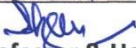
Sr. No	Exercise No	Name of Exercise
1.	Hu1	Recording of Pulse, Temperature and respiration
2.	Hu2	Recording of Arterial pulse tracing using finger plethysmography
3.	Hu3	Recording of Arterial blood pressure
4.	Hu4	Effect of posture on Blood pressure
5.	Hu5	Effect of Exercise on cardio-respiratory parameters
6.	Hu6	Recording of 12 lead ECG
7.	Hu7	Measurement of lung volumes and capacities by spirometer
8.	Hu8	Recording of peak expiratory flow rate.
9.	Hu9	Charting of peripheral field of vision
10.	Hu10	Demonstration of normal EEG forms
11.	Hu10	Demonstration of Basic Life Support in a simulated environment

Distribution of practical exercises and sequence of revision rotation:

Day	Batch	Week-1	Week-2	Week-3	Week-4	Week-5	Week-6	Week-7	Week-8	Week-9	Week-10	Week-11	Week-12
		Instructions & Demonstration			Revision rotation			Instructions & Demonstration			Revision rotation		
Mon	C	Hu1	Hu2	Hu3	R1	R1	R1	Hu4	Hu5	Hu6	R2	R2	R2
Tue	A	Hu1	Hu2	Hu3	R1	R1	R1	Hu4	Hu5	Hu6	R2	R2	R2
Wed	B	Hu1	Hu2	Hu3	R1	R1	R1	Hu4	Hu5	Hu6	R2	R2	R2
Day	Batch	Week-13	Week-14	Week-15	Week-16	Week-17	Week-18	Week-19	Week-20	Week-21	Week-22	Week-11	Week-12
		Instructions & Demonstration			Revision rotation			Demo	Revision rotation				
Mon	C	Hu7	Hu8	Hu9	R3	R3	R3	Hu10	R4	R4	R4		
Tue	A	Hu7	Hu8	Hu9	R3	R3	R3	Hu10	R4	R4	R4		
Wed	B	Hu7	Hu8	Hu9	R3	R3	R3	Hu10	R4	R4	R4		

Distribution of revision rotation exercises

Day	Seat. No	Week-4	Week-5	Week-6	Week-10	Week-11	Week-12	Week-16	Week-17	Week-18	Week-20	Week-21	Week-22
		R1	R1	R1	R2	R2	R2	R3	R3	R3	R4	R4	R4
Mon to Wed	1-13	Hu1	Hu3	Hu2	Hu4	Hu6	Hu5	Hu7	Hu9	Hu8	Hu10	Hu2	Hu1
	14-26	Hu2	Hu1	Hu3	Hu5	Hu4	Hu6	Hu8	Hu7	Hu9	Hu1	Hu10	Hu2
	27-40	Hu3	Hu2	Hu1	Hu6	Hu5	Hu4	Hu9	Hu8	Hu7	Hu2	Hu1	Hu10


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