

**Pt. Jawaharlal Nehru Govt. Medical College & Hospital Chamba (H.P)**  
**Department of Biochemistry**

No: GMCH/CBA/HOD office /BIOCHEM/2024- 363

Dated: 25/10/2024

**Topic distribution Theory & Practical for MBBS Batch 2024-2025**

Name of Faculty	Date	Lecture	Competency
Dr. Javed Mulla	5 <sup>th</sup> week Oct	Introduction & Scope of biochemistry	B1- 11.16,11.17
Dr. Javed Mulla	1 <sup>st</sup> week Nov	Extra cellular matrix	B1-9.1,9.2
Dr. Javed Mulla	2 <sup>nd</sup> week Nov	Chemistry of carbohydrates	B1-3.1,3.2
Dr. Javed Mulla	3 <sup>rd</sup> week Nov	Carbohydrates Metabolism	B1-3.4-3.9
Dr. Pooja Sarotra	1 <sup>st</sup> week Nov	Cell and its organelles, Cell membrane	B1-1.1
Dr. Shelja Rawat	4 <sup>th</sup> week Nov	Chemistry of amino acids & Proteins	B1-5.1-6.15
Dr. Shelja Rawat	4 <sup>th</sup> week Nov	Same	B1-5.1-6.15
Dr. Shelja Rawat	4 <sup>th</sup> week Nov	Plasma Proteins	B1-5.1-6.15
Dr. Shelja Rawat	5 <sup>th</sup> week Nov	Immunoglobulin's	B1-5.1-6.15
Dr. Pooja Sarotra	1 <sup>nd</sup> week Dec.	Chemistry and metabolism of lipids in details	B1 4.1-4.7
Dr. Pooja Sarotra	1 <sup>st</sup> week Dec.	Lipoprotein regulation and Atherosclerosis	B1 4.1-4.7
Dr. Shelja Rawat	2 <sup>nd</sup> week Dec.	Enzymes and Isoenzymes	B1-2.1-2.7
Dr. Shelja Rawat	2 <sup>nd</sup> week Dec.	Enzyme inhibitors	B1-2.1-2.7
Dr. Shelja Rawat	3 <sup>rd</sup> week Dec.	Enzyme markers	B1-2.1-2.7
Dr. Gaurav Katoch	3 <sup>rd</sup> week Dec.	HB structure & Hemoglobinopathies	B1-5.2-6.15
Dr. Gaurav Katoch	4 <sup>th</sup> week Dec.	Same	B1-5.2-6.15
Dr. Gaurav Katoch	1 <sup>st</sup> week Jan.	Porphyria	B1-5.2-6.15
Dr. Gaurav Katoch	1 <sup>st</sup> week Jan	Heme synthesis	B1-5.2-6.15
Dr. Gaurav Katoch	2 <sup>nd</sup> week Jan	Heme catabolism	B1-5.2-6.15
Dr. Gaurav Katoch	2 <sup>nd</sup> week Jan	Iron Metabolism	B1-5.2-6.15
Dr. Gaurav Katoch	3 <sup>rd</sup> week Jan	Bilirubin formation and Jaundice	B1-5.2-6.15
Dr. Pooja Sarotra	Month of Nov	Laboratory apparatus and equipment	B1-11.1-11.6
Dr. Pooja Sarotra	Month of Nov	Laboratory Practice and waste disposal	B1-11.1-11.6
Dr. Pooja Sarotra	Month of Nov	Demonstration of estimation of PH	B1-11.1-11.6
Dr. Gaurav Katoch	Month of Dec	Demonstration of chemical components of normal urine	B1-11.1-11.6
Dr. Gaurav Katoch	Month of Dec	Demonstration of urine analysis	B1-11.1-11.6
Dr. Gaurav Katoch	Month of Dec	Demonstration of normal and abnormal constituents	B1-11.1-11.6
Dr. Gaurav Katoch & Dr. Shelja Rawat	Month of Jan	Observation of paper chromatography, ABG Analyzer, Electrolyte analysis by ISE & ELISA	B1-11.16

Dr. Shelja Rawat	Month of Feb	Estimation creatinine, total cholesterol and HDL	B1-11.8-11.10
Dr. Shelja Rawat & Dr. Gaurav Katoch	Month of March	SGOT/SGPT, Serum Bilirubin, Glucose estimation, urea and Protein estimation	B1.- 11.13,11.21,11.22
Dr. Shelja Rawat	Month of April	Autoanalyser, Quality control, Spectrophotometry	B1-11.16,11.18
Dr. Pooja Sarotra	4 <sup>th</sup> week Jan	Molecular Biology	B1-7.1-7.7
Dr. Pooja Sarotra	1 <sup>st</sup> -2 <sup>nd</sup> week Feb	Regulation of gene expression & PCR in the diagnosis, oxidative stress in DM & Atherosclerosis	B1-7.1-7.7
Dr. Pooja Sarotra	3 <sup>rd</sup> week Feb	Oncogenesis and immunity	B1- 10.1-10.5
Dr. Shelja Rawat	1 <sup>st</sup> - 2 <sup>nd</sup> week March	Nutrition	B1-8.1-8.5
Dr. Shelja Rawat	Month of May	Rationale of biochemical tests- MI, Jaundice, LFT & TFT	B1-11.17
Dr. Javed Mulla	Month of June	Glucose Homeostasis & diagnosis of diabetes mellitus	B1-11.17
All Faculty	Month of June - July	Seminars, SDL & ECE	-

  
**Professor & HOD**  
**Dept. of Biochemistry**  
**Pt. JLNGMCH Chamba**

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Copy to :

- ✓ 1. The worthy Principal Pt. JLNGMCH Chamba for information please.
2. Professor & HOD Anatomy, Academic coordinator 1<sup>st</sup> Prof. MBBS.
3. Dr. Sunil Department of Anatomy for uploading on the website.
4. Incharge of Student Section