

# Report

## Dr. Mahak Memon (Assistant Professor)

|                |                 |                       |                                 |
|----------------|-----------------|-----------------------|---------------------------------|
| <b>Course:</b> | Biochemistry-II | <b>Program:</b>       | BS-MLT, BS-CCRT, BS-CVT, BS- ST |
| <b>Batch:</b>  | 2023-24         | <b>Semester/Year:</b> | 1st Year - 2nd Semester         |

| S.No. | Date       | Week   | Teacher         | Description  |
|-------|------------|--------|-----------------|--|
| 1     | 04/11/2024 | Week 1 | Dr. Mahak Memon | Extracellular Matrix   |
| 2     | 02/12/2024 | Week 1 | Dr. Mahak Memon | Muscle and cytoskeleton  |
| 3     | 03/12/2024 | Week 1 | Dr. Mahak Memon | Introduction to Bioenergetics  |
| 4     | 04/12/2024 | Week 1 | Dr. Mahak Memon | Biological Oxidations  |
| 5     | 05/11/2024 | Week 2 | Dr. Mahak Memon | Collagen   |
| 6     | 06/11/2024 | Week 2 | Dr. Mahak Memon | Elastin and extracellular matric components                          |
| 7     | 09/12/2024 | Week 2 | Dr. Mahak Memon | Serum ALP estimation   |
| 8     | 03/03/2025 | Week 2 | Dr. Mahak Memon | Digestion and Absorption of Lipids                                   |
| 9     | 04/03/2025 | Week 2 | Dr. Mahak Memon | Metabolism and Clinical Significance of Lipoprotein                  |
| 10    | 05/03/2025 | Week 2 | Dr. Mahak Memon | Fatty Acid Oxidation Biosynthesis and Metabolism of Triacylglycerols |
| 11    | 12/11/2024 | Week 3 | Dr. Mahak Memon | Serum Cholesterol Estimation ( Total, HDL and HBI Cholesterol        |
| 12    | 13/11/2024 | Week 3 | Dr. Mahak Memon | Serum Bilirubin estimation   |
| 13    | 16/12/2024 | Week 3 | Dr. Mahak Memon | Electron Transport Chain and Oxidative Phosphorylation               |
| 14    | 17/12/2024 | Week 3 | Dr. Mahak Memon | Digestion and Absorption of Carbohydrates                            |
| 15    | 18/12/2024 | Week 3 | Dr. Mahak Memon | Amino Acids  |
| 16    | 13/01/2025 | Week 3 | Dr. Mahak Memon | Glycolysis and its Regulation  |

| S.No. | Date       | Week   | Teacher         | Description  |
|-------|------------|--------|-----------------|--|
| 17    | 14/01/2025 | Week 3 | Dr. Mahak Memon | Citric acid Cycle  |
| 18    | 15/01/2025 | Week 3 | Dr. Mahak Memon | Metabolism of Glycogen                                       |
| 19    | 11/02/2025 | Week 3 | Dr. Mahak Memon | Pentose Phosphate Pathway and its Significance               |
| 20    | 11/03/2025 | Week 3 | Dr. Mahak Memon | Serum Glaucous estimation                                    |
| 21    | 12/03/2025 | Week 3 | Dr. Mahak Memon | (GTT)  |
| 22    | 18/11/2024 | Week 4 | Dr. Mahak Memon | Transamination and Deamination of Amino Acids And Urea Cycle |
| 23    | 19/11/2024 | Week 4 | Dr. Mahak Memon | Biochemistry of Proteoglycans                                |
| 24    | 20/11/2024 | Week 4 | Dr. Mahak Memon | Bones and teeth  |
| 25    | 23/12/2024 | Week 4 | Dr. Mahak Memon | Serum Creatine Kinase ( CK) Estimation                       |
| 26    | 24/12/2024 | Week 4 | Dr. Mahak Memon | Serum Ascorbic Acid Estimation                               |
| 27    | 21/01/2025 | Week 4 | Dr. Mahak Memon | Serum LDH Estimation   |
| 28    | 17/03/2025 | Week 4 | Dr. Mahak Memon | Metabolism and Clinical Significance Cholesterol             |
| 29    | 18/03/2025 | Week 4 | Dr. Mahak Memon | Metabolism of Eicosanoids                                    |
| 30    | 19/03/2025 | Week 4 | Dr. Mahak Memon | Digestion of protein and Absorption of Amino Acids           |
| 31    | 25/11/2024 | Week 5 | Dr. Mahak Memon | Serum anylase estimation                                     |
| 32    | 26/11/2024 | Week 5 | Dr. Mahak Memon | Serum AST estimation   |
| 33    | 27/11/2024 | Week 5 | Dr. Mahak Memon | Serum ALT estimation   |
| 34    | 27/01/2025 | Week 5 | Dr. Mahak Memon | Simpule collection, and Body Fluid                           |
| 35    | 29/01/2025 | Week 5 | Dr. Mahak Memon | Gluconeogenesis and Regulation of blood Glucose              |

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