**COURSE OUTCOMES**

**B. Voc. Medical Lab Technology IIIrd year**

**Semester- V**

**Subject: Biochemistry V(Theory & Practical)**

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| **Co1** | Quantitative analysis of urine samples |
| **Co2**. | Chemical analysis of body fluids |
| **Co3** | Pathological changes in body fluids |

**Subject: MicrobiologyV(Theory & Practical)**

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| **CO1**. | Examination of water, air and food microbiologically |
| **CO2.** | Study of several food borne diseases |
| **CO3**. | Lab diagnosis of several bacterial infections |

**Subject: PathologyV (Theory & Practical)**

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| **Co1** | Examination of body fluids |
| **Co2** | Understand the autopsy techniques and electron microscopy |
| **Co3** | Understand the concept of enzyme histochemistry |

**Subject: Hematology V (Theory & Practical)**

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| **Co**1. | Discuss the etiology and classification of anaemias |
| **Co2**. | Describe the etiology and classification of leukaemia |
| **Co3**. | Explain the mechanism of fibrinolysis and lab investigation of DIC |

**CREDITS- 3 THEORY PERIODS OF EACH PAPER OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

**6 PRACTICAL PERIODS OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

**B. Voc. Medical Lab Technology IIIrd year**

**Semester- VI**

**Subject: Biochemistry VI (Theory & Practical)**

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| **Co1** | Study of the principles of enzyme activity |
| **Co2**. | Several biochemical test for the detection of diseases |
| **Co3** | Demonstration of gastric analysis, thyroid determination and infertility profile |

**Subject: Microbiology VI (Theory & Practical)**

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| **Co1** | Serological test for the diagnosis of diseases |
| **Co2**. | Knowledge of Rapid diagnostic methods and advanced techniques in microbiology |
| **Co3** | Understand the life cycle of several disease causing microbes |

**Subject: Pathology VI (Theory & Practical)**

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| **Co1** | Study of the immune system |
| **Co2** | Understand the concept of cancer immunology and immunocompromised diseases |
| **Co3** | Explain the tumor markers, detection of malignant and benign cancers |

**Subject: Hematology VI (Theory & Practical)**

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| **Co**1. | Understand the concept of haematological changes in systemic system |
| **Co2**. | Study of several parasites of blood |
| **Co3**. | Study of various bleeding disorders |

**CREDITS- 3 THEORY PERIODS OF EACH PAPER OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

**6 PRACTICAL PERIODS OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**