**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**