**COURSE OUTCOMES**

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

**Semester- I**

**Subject: Biochemistry 1 (Theory & Practical)**

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| **Co1** | Describe the rule followed in medical lab technology |
| **Co2**. | Study of cleaning and maintenance of glass wares |
| **Co3** | Understand the standard instruments used in medical lab technology and Acquaint with the basic knowledge of organic and inorganic chemistry. |

**Subject: Microbiology1(Theory & Practical)**

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| **CO1**. | Understand the basic concept of several instruments like: Distillation plant, Centrifuge machine, Analytical Balance, Hotplate, Magnetic Stirrer, Water Bath. |
| **CO2.** | Study the functioning of microbiological instruments |
| **CO3**. | Knowledge of sterilization and disinfection methods |

**Subject: Pathology1 (Theory & Practical)**

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| **Co1** | Study the several types of human system |
| **Co2** | Understand the basic concept of histopathology |
| **Co3** | Describe the functioning several equipments used in pathology |

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

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| **Co**1. | Understand the basic concept of hematolog**y** |
| **Co2**. | Describe the lab rules followed in hematolog**y** lab |
| **Co3**. | Explain the functions of several body parts |

**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 Ist year**

**Semester- II**

**Subject: Biochemistry 1I (Theory & Practical)**

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| **Co1** | Familiarize with the principles and applications of viscocity, sedimentation, pH measurement, buffer solutions |
| **Co2**. | Describe the principles and working of several instruments used in analytical biochemistry |

**Subject: Microbiology1I(Theory & Practical)**

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| **Co1** | Describe the several types of microscopes and use of micrometry and the historical development in medical microbiology. |
| **Co2**. | Practical knowledge of procedures used in the isolation of microorganisms |
| **Co3** | Use of microscopes |

**Subject: Pathology1I (Theory & Practical)**

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| **Co1** | Evaluate and reporting of cytopathology specimens and staining procedures |
| **Co2** | Familiarize with the role of cytochemistry, cytopathology and cytology |
| **Co3** | Familiarize with the histopathology techniques |

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

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| **Co**1. | Familiarize with several types of blood systems and synthesis of haemoglobin |
| **Co2**. | Understand the concept of immunology and role of several body cells in the prevention of diseases. |

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