

OSMANIA UNIVERSITY – INDUSTRY HUB

ADVANCED P G DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
[TWO-YEAR COURSE COMPRISING FOUR SEMESTERS]

SEMESTER I

| Sl. | Course | Subject | Scheme of Instruction Hrs/Week | | Scheme of Examinations | | |
|-------------------|-----------|--------------------------------|--------------------------------|-----|------------------------|---------------|-----------|
| | | | L/T | D/P | Duration in Hours | Maximum Marks | |
| | | | | | | Univ. Exam | Sessional |
| THEORY | | | | | | | |
| 1 | Paper-I | Communications in english | 3 | -- | 3 | 80 | 20 |
| 2 | Paper-II | Basics of anatomy & physiology | 3 | -- | 3 | 80 | 20 |
| 3 | Paper-III | Biochemistry | 3 | -- | 3 | 80 | 20 |
| 4 | Paper-IV | Microbiology and parasitology. | 3 | -- | 3 | 80 | 20 |
| PRACTICALS | | | | | | | |
| 5 | Paper-I | Basic of anatomy & physiology | | 8 | 3 | 100 | -- |
| 6 | Paper-II | Biochemistry and microbiology | | 8 | 3 | 100 | -- |
| | | TOTAL | 12 | 16 | | 520 | 80 |

SEMESTER II

| | | | | | | | |
|-------------------|-----------|--|----|----|----|-----|----|
| THEORY | | | | | | | |
| 1 | Paper-I | Clinical Pathology | 3 | -- | 3 | 80 | 20 |
| 2 | Paper-II | Immunology, Serology and Specialized Investigation | 3 | -- | 3 | 80 | 20 |
| 3 | Paper-III | Hematology & Blood Banking | 3 | -- | 3 | 80 | 20 |
| 4 | Paper-IV | Lab. Reagents, Instrumentation & Techniques | 3 | - | 3 | 80 | 20 |
| PRACTICALS | | | | | | | |
| 5 | Paper-I | Hematology & Blood Banking | | 8 | 3 | 100 | - |
| 6 | Paper-II | Lab. Reagents, Instrumentation & Techniques | | 8 | 3 | 100 | - |
| | | Total | 12 | 16 | 12 | 520 | 80 |

SEMESTER –III

[Only Practical Examinations will be conducted. NO Theory Examinations]

| | | | | | | | |
|--------------|----|---------------------------------------|--|-----------|----------|------------|----------|
| 1 | I | Blood Bank Techniques and Hematology. | | 14 | 3 | 10 | I |
| 2 | II | Biochemistry and clinical pathology | | 14 | 3 | | |
| TOTAL | | | | 28 | 6 | 200 | 6 |

SEMESTER – IV

| | | | | | | | |
|--------------|----|-------------------------------------|--|-----------|----------|------------|--|
| 1 | I | Micro biology and Serology. | | 14 | 3 | 100 | |
| | II | Histopathology and Quality Control. | | 14 | 3 | 100 | |
| TOTAL | | | | 28 | 6 | 200 | |

Note: Osmania University may change or modify the syllabus or rules and regulations of examination.

Course Co-ordinator: Dr. Zakia Abid, M.D. (Pathology)

Pathologist

Former Principal of Deccan College of Medical Sciences.

In Association with