

## 5.1 & 6.1 PRACTICAL/PROFESSIONAL TRAINING – I & II

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### OBJECTIVE

The objective of providing practical training in third year is to:

1. Create confidence in the students to work in world of work by developing practical skills pertaining to laboratory management and diagnostic skills in the field of clinical haematology, blood banking, clinical biochemistry, clinical microbiology histopathology and cytology and ensuring laboratory safety and quality assurance.
2. Create necessary awareness regarding use of various types of diagnostic equipment, particularly sophisticated ones which are used in the field of medical laboratory technology.
3. Develop appreciation regarding size and scale of operations, environment and other related aspects like value of team work, interpersonal relations and professional ethics in the field of medical laboratory technology.
4. Develop necessary traits for starting small clinical laboratories as per requirements.

### SELECTION OF TRAINING PLACES

The institute offering diploma programme in Medical Laboratory Technology should establish contact/rapport by personal visit to following types of organizations:

1. Medical Colleges/Research institutions
2. Civil Hospitals at District Headquarters having well equipped laboratory
3. Hospitals in private sector
4. Well established clinical laboratories being run by a qualified person

### Note:

1. The Principal of the institute where diploma programme in Medical Laboratory Technology is being offered, with the help of Directorate of Technical Education/Secretary, Technical Education may approach Director, Health Services/Director, Medical Education/Secretary, Health to collaborate in offering structured and supervised practical training of students in above organizations. It will be worthwhile to sign a "Memorandum of Understanding" regarding the involvement of students in undergoing one year practical training

2. The Principal of the institute may also approach regional Apprenticeship Adviser (Northern Region), Kanpur to provide training seats under Apprenticeship Act to the students

### **METHODOLOGY OF ORGANIZING PRACTICAL TRAINING**

Each concerned teacher will be responsible for a group of students in respective speciality to plan, supervise and monitor the progress when placed in different organizations for practical training. For this purpose, necessary recurring expenditure for making payment of TA/DA to the faculty of institute and the experts may be worked out by respective institutes, keeping in view, number of visits and the distances involved in such travelling. The concerned teacher will have to continuously interact with training centres to monitor the progress of the students

### **EVALUATION OF STUDENTS FOR PRACTICAL/PROFESSIONAL TRAINING**

Practical training will have 600 marks. Out of which 200 marks will be awarded by the organization where placed for practical/professional training and 400 marks are for external examination. The criteria for internal assessment will be as under:

- | <b>a) Criteria for internal assessment for organization where placed for practical/professional training</b> | <b>Weightage</b> |
|--|------------------|
| 1. Attendance/Punctuality  | 10 percent       |
| 2. Proficiency in conducting laboratory test   | 30 percent       |
| 3. Preparation of portfolio on day to day work done in various laboratories                                  | 20 percent       |
| 4. Initiative/responsibility exhibited   | 10 percent       |
| 5. Interpersonal relations   | 10 percent       |
| 6. Behaviour/attitude  | 10 percent       |
| 7. Maintenance of equipment and work place   | 10 percent       |
- b) External examiner along with internal faculty should evaluate the student's performance through viva voce/spotting as given below:**

<b>Criteria for evaluation (Spotting/Viva Voce)</b>	<b>Maximum Marks</b>
1. Clinical Microbiology	100
2. Clinical Biochemistry	100
3. Clinical Haematology (Blood Banking)	100
4. Histopathology and Cytology	100