

**B.Sc. IN MEDICAL LABORATORY  
TECHNOLOGY (BMLT)/DIPLOMA IN  
MEDICAL LABORATORY  
TECHNOLOGY(DMLT)**

**Term-End Examination**

**December, 2016**

**BAHI-013 : AUTOMATION OF LABORATORY  
SERVICES**

*Time : 3 hours*

*Maximum Marks : 70*

**Note : Attempt any five questions. Question no. 6 is compulsory.**

1. Give an account of the medico-legal aspects of laboratory practices. Write a brief note on 'Malpractices and Medical Audit'. 10
2. What are the general principles of quality assessment parameters of check ? How does it affect the Total Quality Management (TQM) ? 10
3. Enumerate the minimum requirements for grant of licence to manufacture blood components from whole blood (human) under Part XII C. What are the rules under Clause C of Section 18 and under Section 27 (b) (ii) of the act ? 10

4. Enlist the problems of ethical practices of laboratories. Enumerate the guidelines of the Ethical Committee of the Government of India. 10
5. Describe in detail the organisation, management and flow chart of Blood Transfusion Services in a 500-bedded hospital. 10
6. Write briefly on any *five* of the following : 5×6=30
- (a) Quality control in post-analytical procedures
  - (b) Role of technical staff in Total Quality Management (TQM)
  - (c) Need and importance of Blood Bank Licensing
  - (d) Retrospective phase of quality control
  - (e) Modified Levey-Jennings graph
  - (f) Computer assisted medical decision-making system (CDM)
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