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

Term-End Examination

June, 2016

00126

## 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 'Ethics in Laboratory Practices'.                                       *10*

2. Define TQM (Total Quality Management). Describe the procedures of quality control and standardisation with reference to TQM.     *10*

3. Define 'Internal' and 'External' quality control techniques. Explain the procedures of external quality control programmes.       *10*

**4.** Describe the role of computers in a quality control laboratory with reference to software systems. *10*

**5.** Briefly discuss the accuracy of quality control and prospective phases of quality control. *10*

**6.** Write briefly on any *five* of the following : *5×6=30*

(a) Interpretive reporting and use of 'Expert System' Analysis

(b) RCVK : Routine Conditions Variance Known Values

(c) Quality Control procedures in Clinical Pathology (Lab. Medicine)

(d) Laboratory hazards and biosafety procedures in a Quality Control Laboratory

(e) Essentials of blood bank licence

(f) Medico-legal aspects of Laboratory Practices

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