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

Term-End Examination

June, 2013

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

Time : 3 hours

Maximum Marks : 70

Note : *Attempt all questions. Follow instructions under each question.*

PART-A

1. Answer *true (T) or false (F)* : 1x5=5
- (a) For quality control management, pre analytical Q.C. programme is essential.
 - (b) Standard deviation indicates the average deviation or the average error.
 - (c) Analytical process do not require S.O.P. for every essential test performance.
 - (d) Data analysis is essential for Reporting of the tests in routine diagnostic laboratories.
 - (e) Total Quality Management (TQM) indicates quality assurance in organisational management.

2. Fill in the blanks : 1x5=5

- (a) Computer assisted medical decision making increases _____ role of the laboratory.
- (b) Principle ethics in laboratory practice is to give _____ reports.
- (c) Requirement of schedule _____ fulfillment is essential for issue of licence to blood bank.
- (d) Maintenance of good quality control in the laboratory needs _____ technician.
- (e) Cusum technique generally provides better determination of systemic errors than _____ charts.

3. Write briefly on the following : 5x6=30

- (a) Gaussian Curve.
- (b) Quality Control Programme.
- (c) Laboratory Accreditation.
- (d) Parameters of quality assurance.
- (e) ISO-systems in Laboratory Practice.
- (f) CADM system in Laboratory.

PART-B

Answer *any three* questions :

10x3=30

4. Describe the role of computers in the laboratory.
 5. Define internal and external quality controls. Give examples and practices existing in laboratory systems in large hospitals of the country.
 6. What is TQM ? Describe role of parameters of check in quality control management.
 7. Describe Regulations of Licensing and issues of penalties imposed in blood transfusion and blood banking services.
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