



HCN-003-038503

Seat No. _____

**B. Voc. Medical Laboratory & Molecular
Diagnostic Technology (Sem. V) (CBCS)
Examination**

October - 2017

**MLMDT - 5.3 : Quality Laboratory
Management & Medical Ethics**

Faculty Code : 003

Subject Code : 038503

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions :** (1) All questions are compulsory.
(2) Figures on right side indicate the marks.

- 1 Answer the following questions. **20×1=20**
- (1) What is competency testing?
 - (2) Define organization.
 - (3) What is POCT?
 - (4) Give importance of Medical Laboratory Services.
 - (5) Write any two points for quality management systems.
 - (6) State full form of HIMS?
 - (7) What is Error?
 - (8) Define IQC.
 - (9) Define Internal Standard.
 - (10) Define Pathology.
 - (11) Give importance of Laminar Flow Hoods.
 - (12) State features of hazardous chemicals.
 - (13) Define bioethics.
 - (14) Give full form of HIPAA.
 - (15) What is The 4 Ds of Negligence?
 - (16) Give role of 'Battery' in ethics.

- (17) Define Research.
- (18) State full form of CPCSEA
- (19) What is Medical Malpractice?
- (20) What is Anatomical Pathology?

2 (A) Attempt any **three** of the following : **3×2=6**

- (1) Enlist contents of PTF.
- (2) Give key components of Laboratory Financing.
- (3) State essential elements of National Health Laboratory plan.
- (4) Give full form and use of SOP.
- (5) Give importance of Standard deviation.
- (6) Differentiate between Decontamination and Disinfection.

(B) Attempt any **three** of the following : **3×3=9**

- (1) State methods for training of laboratory staff.
- (2) Comment: Laboratory Science is Art or Science.
- (3) Give procedures for monitoring post analytical variables.
- (4) State essentials of quality system in clinical laboratory.
- (5) Briefly explain Secondary Barrier.
- (6) Give needs for Confidentiality in reports.

(C) Attempt any **two** of the following : **2×5=10**

- (1) Write a note on policy guidelines and priorities for setting up of clinical laboratory.
- (2) Discuss different models for Administration of Clinical Laboratory.
- (3) Describe key components of Human Resource Management in clinical laboratory.
- (4) Explain different procedures for monitoring pre analytical variables.
- (5) Write a short note on MSDS.

- 3** (A) Attempt any **three** of the following : **3×2=6**
- (1) What is Autonomy?
 - (2) State unethical acts in ethics.
 - (3) Give composition of IEC.
 - (4) What is HRT?
 - (5) Give examples of diagnostic errors
 - (6) For which group's Additional Care must be taken on Ethical Research.
- (B) Attempt any **three** of the following : **3×3=9**
- (1) State ethics in research.
 - (2) Give differences between Law and ethics.
 - (3) Give methods for retention and destruction of medical records.
 - (4) What are the obligations to public and profession in research?
 - (5) Give guiding principle for animal testing.
 - (6) State types of malpractices in medical laboratory.
- (C) Attempt any **two** of the following : **2×5=10**
- (1) Write note on OSHA regulations.
 - (2) Discuss Rules of Ethical conduct for HIP.
 - (3) Briefly explain different criteria for selection of special groups as research participants.
 - (4) How to prevent medical liability cases?
 - (5) Discuss ethical perspective on reproductive technologies.
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