



**MAL-003-038503**

Seat No. \_\_\_\_\_

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

**October / November – 2016**

**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 indicate marks.

1 Answer the following questions : **20×1=20**

- (1) What is a purchase order?
- (2) Give two names of disease transmission risk in microbiology department.
- (3) What is ISO 9001 : 2000 ?
- (4) What are intentional torts ?
- (5) Describe  $1_{3S}$  rule.
- (6) Give full form of TQM and QA
- (7) Define : calibrator
- (8) Describe interpretation of tests.
- (9) What are NABL standards ?
- (10) What is Confidentiality?
- (11) What is The 4 Ds of Negligence?
- (12) Where can we use ABC type fire extinguisher ?
- (13) Define the term Negligence.
- (14) What is ELSI ?
- (15) What is Euthanasia ?

- (16) Explain HIPPA.
- (17) What do you mean by OSHA regulations ?
- (18) Give name of committee responsible for the approval of all payments, reimbursement and medical services to be provided to research participants.
- (19) What is Beneficence?
- (20) What are the two main pillars of medical ethics?

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

- (1) What is purchase order?
- (2) What are personal protective equipments?
- (3) What are the Unethical acts in ethics?
- (4) What is the composition of IEC?
- (5) What is the composition of Animal Ethics Committee?
- (6) What are the three R<sub>S</sub> principle in animal research?

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

- (1) Basic parameters covered in SOP.
- (2) Internal quality control program.
- (3) NABL accreditation.
- (4) What are the General Applications of Ethical Principles?
- (5) What are the obligations to the Public and Profession in research?
- (6) What are the roles of IRB in research?

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

- (1) LJ Chart with Westgard rules.
- (2) First aid measures in clinical laboratory.
- (3) Write a note on OSHA Regulations.
- (4) Discuss about Human Rights and Medical Practices.
- (5) What are the ethical issues in pathology practice?

- 3** (a) Attempt any **three** of the following : **3×2=6**
- (1) What is " $4_{1s}$ " Westgard rule?
  - (2) Reference range for FBS, RBS and PPBS.
  - (3) Describe accuracy and precision.
  - (4) What are the differences between Medical Law and Ethics?
  - (5) What are considered Confidential in healthcare?
  - (6) Sterilization processes in clinical lab.
- (b) Attempt any **three** of the following : **3×3=9**
- (1) Explain negligence.
  - (2) What is the importance of confidentiality in medical profession ?
  - (3) Discuss ISO regulations for clinical lab and hospitals.
  - (4) What are the duties of animal ethics committee ?
  - (5) Discuss biohazards in brief.
  - (6) Describe various types of fire extinguishers.
- (c) Attempt any **two** of the following : **2×5=10**
- (1) What are the different Medical Errors? Explain each in brief.
  - (2) Write a note on Medical Ethics.
  - (3) Explain the hazards and errors in a clinical laboratory.
  - (4) Explain OSHA regulations.
  - (5) Write a note on "Quality in Clinical Laboratory".
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