

Roll No.

Total Pages : 3

LMDE/M-24

10217

MEDICAL LAB TECHNOLOGY

Paper–MMB 203

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *five* questions in all, selecting one from each unit (I, II, III, IV) and the compulsory question No. 1. All questions carry equal marks.

Compulsory Question

1. Give a brief account of the following :

- (a) Cellular swelling.
- (b) Gangrene.
- (c) Sudan black staining.
- (d) Aspiration of bone marrow.
- (e) Opzonization.
- (f) Oral polio vaccine.
- (g) Non Sharp waste.
- (h) ELISA.

UNIT-I

2. (a) Define cell injury and give its major types.

(b) How hypoxia and infections result in cell damage ?

3. (a) Enlist the types of cellular adaptations after its damage and give in detail the Hyperplasia and Hypertrophy.
- (b) How to collect Urine sample and take a swab from different sites. Which precautions need to be taken while collecting the above two samples and their transportation

UNIT-II

4. What do you understand by Haematological disorders ? Explain the morphology and etiology of Iron related problems.
5. (a) What is the cell composition in normal adult bone marrow?
- (b) Give an account of Leukemia, Its types and blood picture.

UNIT-III

6. Enlist the types of test based on antigen antibody reactions. Give in detail the methodology principle and significance of Agglutination and immunofluorescence tests.
7. (a) Give a brief account of the type of vaccination programs and their schedule are going on diseases in mother and child care ?
- (b) Write a note on Type I and Type II Hypersensitivity reactions

UNIT-IV

- 8.** What are the various types of organisms which result in systemic mycosis? Explain the lab diagnosis of these infections
 - 9.** What kind of waste forms sharp waste ? Give its categories and its safe disposal strategies.
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