

10218

LMDE/M-24
ENVIRONMENTAL MICROBIOLOGY
Paper–MMB-204

Time : Three Hours]

[Maximum Marks : 80

Note : Candidates will be required to attempt *five* questions in all, selecting two questions from each Section (A,B,C,D) and the compulsory question 1. All questions will carry equal marks.

Compulsory Question

1. Explain the following :
- (a) What are the features of cell injury.
 - (b) Write about iron deficiency anemia.
 - (c) vaccination program and schedule in India.
 - (d) What are cutaneous and sub cutaneous mycosis?
- (4×4=16)

SECTION–A

2. Explain in detail about cell death and cell adaptations. (16)
3. Describe in detail about the following :
- (i) Collection and transportation of specimens.
 - (ii) Care and handling of laboratory animals. (8+8)

SECTION B

4. Describe the cell composition, sampling, staining of bone marrow and hemolytic anaemia. (16)
5. Describe the classification, blood findings and lab diagnosis of leukemia. (16)

SECTION-C

6. Explain the type I and III hypersensitivities with examples. (16)
7. Describe the following :
 - (a) Neutralization.
 - (b) Immuno florescence.
 - (c) Agglutination test. (5+5+6)

SECTION-D

8. Explain the lab diagnosis of systemic mycosis and viral infections. (16)
 9. Explain the management of laboratory/hospital waste. (16)
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